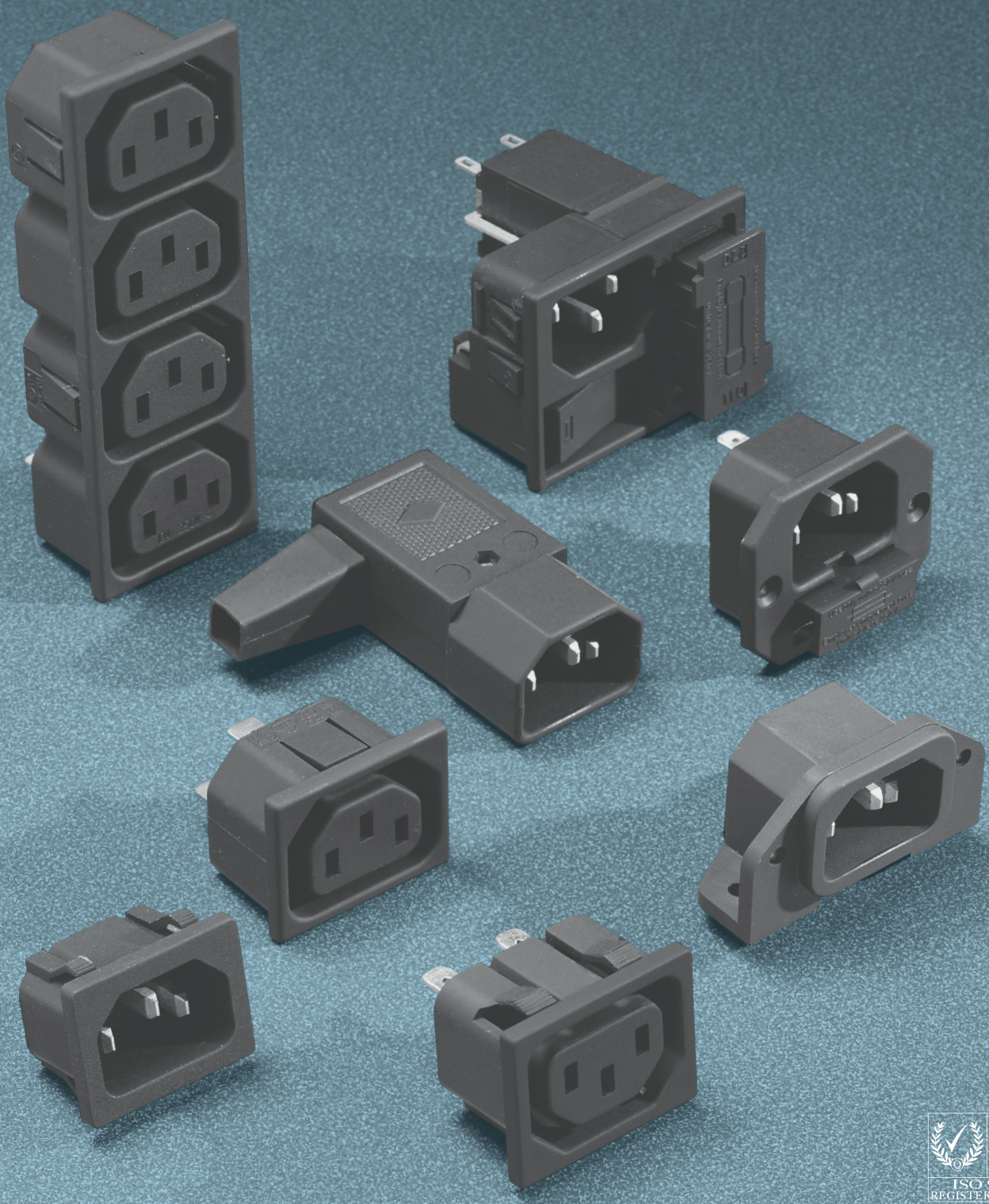
# I.E.C. CONNECTORS, UNFILTERED



ISO 9002
REGISTERED FIRM

*Power Dynamics IEC connectors conforms to IEC 320 standards and are accepted throughout the world for use in electrical equipment. Designers and manufacturers are offered maximum flexibility as PDI connectors mate with all internationally accepted IEC 320 Power Cords. All IEC connectors carry relevant international safety approvals including:*

PDI®
Power Dynamics, Inc.

# Power Dynamics has the widest range of IEC Connectors in compliance with international approvals.

*Power Dynamics IEC Connectors have been submitted, tested and approved by all recognized National Testing Agencies. These approvals eliminate the necessity of a retesting program when submitted in equipment being evaluated by these same testing agencies.*

*Every component bearing the PDI label meets or exceeds all international safety requirements. Products have been designed so that any component can be used in as many countries as possible.*

*Use of internationally approved components reduces the manufacturer's cost because of the ease of adapting equipment for use in any country. Since only one product style is necessary, equipment manufacturers can generally reduce costs by combining several components such as fuse holders, voltage selectors and power switches into one integral unit.*

### *MATERIALS USED IN PDI IEC CONNECTORS*

***Housing Materials:***
*P.C., P.B.T., or Nylon 66*

***Contact Pins:***
*Nickel Plated Brass*

***Terminals:***
*Solder type – Electro Tin Plate over Copper Plate*

***Quick Connect :***
*Electro Tin Plate over Brass*

***UL Flamability Rating:***
*UL 94V-O*

*In many cases, a single Power Dynamics Connector incorporates all features necessary for use in domestic and international markets. All Power Dynamics IEC Connectors are clearly marked with the various safety agency logos. Power Dynamics Connectors are designed in accordance with IEC 60320 and CEE-22 specifications.*

*In the United States, IEC and CEE documents can be ordered from: ANSI/American National Standards Institute, Sales Dept., 11 West 42nd Street, New York, NY 10036.*

ISO 9002 REGISTERED FIRM

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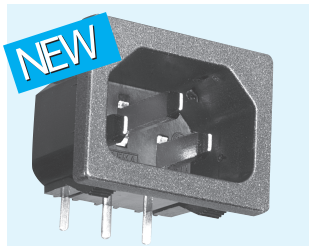
# IEC CONNECTORS INDEX


PD-42R09-11 Pg. 10

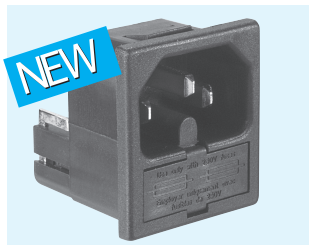



Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements.

10A 250 VAC

15A 250 VAC

42R44 Pg. 11




Double fuse holder power cord connector for international markets. Fuse holders touch proof in accordance with international product safety requirements.

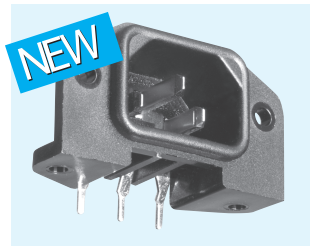
10A 250 VAC

42R45 Pg. 12

Same features as 42R44 but with voltage selector. Change voltages by rotating fuse cartridge. Meets all international safety requirements.

10A 250 VAC

42R65 Pgs. 13-16

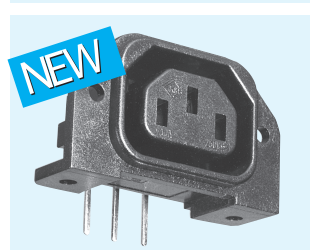



Combination power cord connector with printed circuit terminals. Conforms with all international safety requirements. For automated and hand assembly operations.

10A 250 VAC

15A 250 VAC

43R65 Pg. 17




Combination power cord connector with printed circuit terminals. Conforms with all international safety requirements.

10A 250 VAC

15A 250 VAC

43R06 Pgs. 19

Combination power cord connector designed for recessed and rack or panel mounting. Conforms with all international product safety requirements.

16A 250 VAC

20A 250 VAC

42R51 Pgs. 20-25

Miniature power connector, in accordance with DIN 49455 and CEE 22 standards. Available with solder terminals.

2.5A 250 VAC

PD16AU-1 Pgs. 26-30

Australian power cord connector panel mount, screw lug termination. Meets Department of Fair Trading requirements.

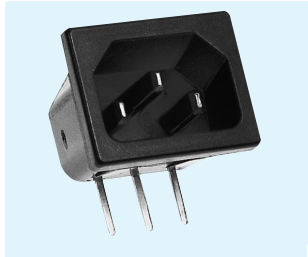
13A 250 VAC

PD-15 Pgs. 31-35

North American power cord connector. Quick connect, solder and feed thru terminal configurations. Snap-in panel mount.

15A 125 VAC

42R05 Pgs. 44-45

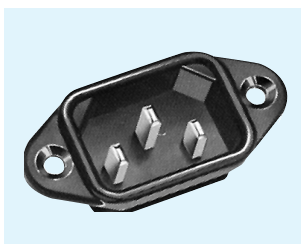


General purpose power cord connector with printed circuit terminals. Conforms with all international safety requirements.

10A 250 VAC

15A 250 VAC

42R01, 2, 3 Pgs. 46-51



General purpose power cord connector. Screw, quick connect, or solder lug terminal configuration. Designed for versatile mounting. Available in screw or snap-in panel mount and eight mounting configurations.

10A 250 VAC

15A 250 VAC



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Power Dynamics, Inc.

# IEC CONNECTORS INDEX

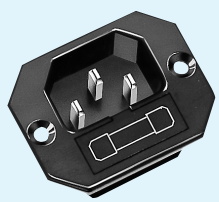
42R06, 7, 8 Pgs. 54-59

Units are available with screw, quick connect or solder lug terminal configurations. Designed for versatile mounting, 42R06, 42R07 and 42R08 are available in screw or snap-in panel mount and three mechanical mounting configurations.

16A 250 VAC

20A 250 VAC

42R31, 32, 33 Pgs. 60-65



Combination single fuse holder/power cord connector for domestic & international markets. Fuse holder is touch proof in accordance with international safety requirements. Accommodates one international 5 x 20mm fuse with space for a spare fuse. Terminal connections: screw, quick connect or solder lug. Fuse connections are externally accessible and isolated from power connections. Screw or snap-in mount and five mounting configurations.

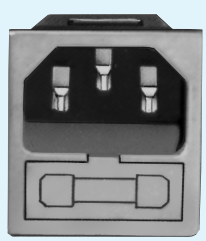
10A 250 VAC

42R34, 38 Pgs. 66-69

Integral combination IEC power cord connector/fuse holder/voltage selector. Meets all international safety requirements; may be used without modification at time of installation. Designed to switch voltages 115, 125, 230, 250 by removing fuse cartridge & rotating to desired voltage, then snapping the cartridge back into connector housing. Fuse holder is touch proof in accordance with international product safety requirements. Series 42R34, page 66 accepts one international 5 x 20mm fuse. Series 42R38, page 68 accepts one standard 3 AG American type fuse. Screw or snap-in mount configurations.

10A 250 VAC

42R35 Pgs. 70-71



Combination single or double fuse holder power cord connector for domestic and international markets. Fuse holder is touch proof in accordance with international product safety requirements. Accepts either American or European fuse for maximum versatility in product applications. Fuse connections are externally accessible & isolated from power connections. Solder lug & quick connect terminal configurations available.

10A 250 VAC

42R36 Pg. 72-73

Combination power cord connector with single or double pole On/Off snap action power switch. Conforms with all international product safety requirements. Designed to eliminate discrete purchase, inventory & assembly of connector & switch. Terminal connections are solder or quick connect.

10A 250 VAC

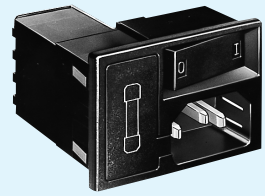
15A 250 VAC

42R04 Pg. 52

Male power cord plug. Contains integral cable clamp strain relief & internal screw type connections. Three mounting angle configurations.

10A 250 VAC

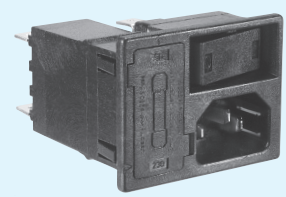
42R37 Pg. 74-75




Integral combination IEC power cord connector, fuse holder & On/Off switch. Designed to eliminate discrete purchase, inventory & assembly of individual components. Fuse holder accepts either single or double American or European fuses for maximum versatility (not interchangeable). Fuse connections are externally accessible & isolated from power connections. Single or double pole snap action On/Off switch. Terminal connections are solder lug or quick connect. Meets all international safety requirements.

10A 250 VAC

42R39 Pg. 76-77



Same features as 42R37 but with voltage selector. Changes voltages by rotating fuse cartridge. Meets all international safety requirements. Fuse holder accepts 3 AG American or 5 x 20mm European fuses.

10A 250 VAC

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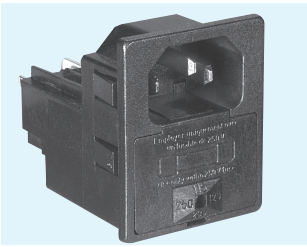
# IEC CONNECTORS INDEX

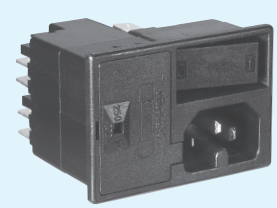

42R40 Pg. 78-79



Integral combination IEC Connector, fuse holder & voltage selector. The voltage selector is designed to switch to four different voltages & provides a simple means to change transformer primary connections. Fuse Holder accepts either single or double European 5 x 20mm or 3AG American 1/4 x 1 1/4 fuses for maximum versatility in product applications. Fuse connections are externally accessible & isolated from power connections. Connectors are available in quick connect or solder terminals.

10A 250 VAC

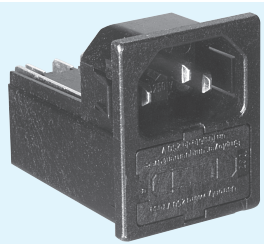
42R41 Pg. 80-81



Same features as 42R40 but with on/off power switch. Meets all international safety requirements.

10A 250 VAC

42R42 Pg. 82-83



Same features as 42R35 but with voltage selector. Meets all international safety requirements. Fuse holder accepts single or double 3AG or 5 x 20mm fuses for fusing both line and neutral.

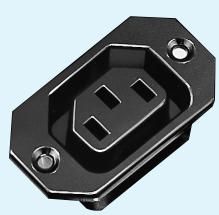
10A 250 VAC

43R01 Pg. 53

Female power cord plug. Integral cable clamp strain relief & internal screw type connection. Three mounting angle configurations.

10A 250 VAC

43R02, 3, 4 Pgs. 84-89

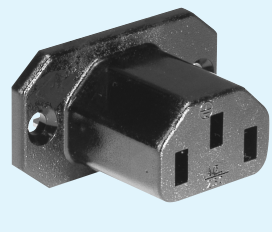


General purpose female power cord connector. Three terminal configurations: screw, quick connect & solder lug. Designed for versatile mounting. Screw or snap-in panel mount. Three mounting configurations.

10A 250 VAC

15A 250 VAC

43R05 Pg. 90-91

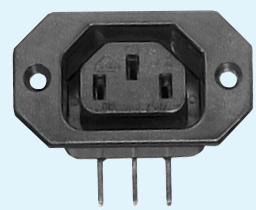


General purpose female power cord connector designed for recessed and rack or panel mounting. Available for quick connect and solder terminals.

10A 250 VAC

15A 250 VAC

43R09 Pg. 92-93



General purpose female power cord connector with printed circuit terminals. Conforms with all international safety requirements.

10A 250 VAC

15A 250 VAC

(Comb.) 44R01 Pg. 94-95

Allows for a selection of 1 male inlet with 1 to 6 female outlets. Accepts European style fuse only, 5 x 20mm. Simple snap-in mounting.

SUBMITTED

10A 250 VAC

(Mult.) 44R02 Pg. 96-97

All female connector (2 to 6 units). Solder terminals.

10A 250 VAC

15A 250 VAC

(Comb.) 44R03 Pg. 98-99

Receptacle plus Switch

Integral combination male inlet IEC connector/female outlet connector & on/off power switch. Designed to eliminate discrete purchase, inventory & assembly of individual components. Meets all international safety requirements. Unit allows for a cost effective method of providing auxiliary power to peripheral equipment. Switch is rated 10 amp., 250 VAC, double pole; labeled with the international I/O on/off markings.

10A 250 VAC

15A 250 VAC



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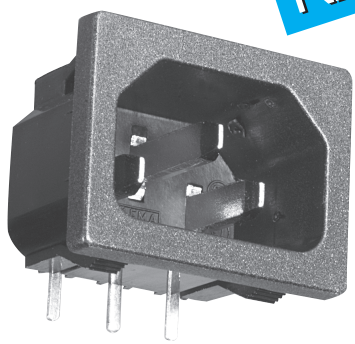
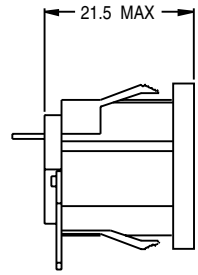
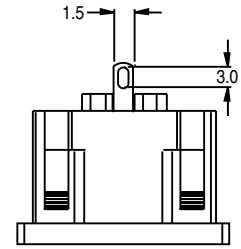
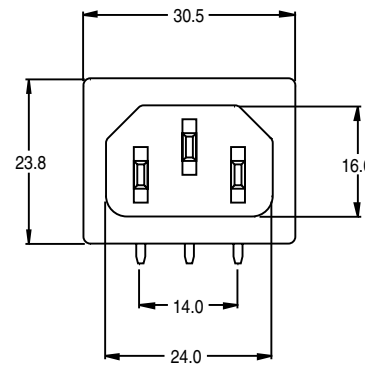
PRINTED CIRCUIT
PD-42R09-11

NEW





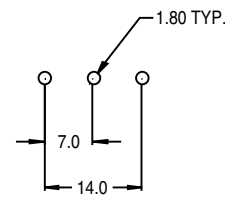

Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250V for ᵤL and CSA, 10 Amp., 250 V for VDE, 70°C operating temperature.

# EXAMPLE & ORDERING CODE

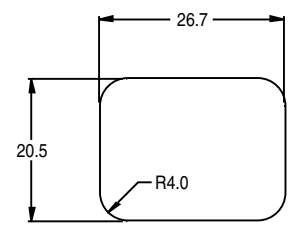
PD - 42R09 - [1] [1]

MECHANICAL MOUNTING CONFIGURATION
SNAP-IN =1

PANEL THICKNESS RANGE
0.8mm TO 2.0mm =1




RECOMMENDED
PCB LAYOUT




RECOMMENDED
PANEL CUT-OUT

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Bronze
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

VDE SEMKO SEMKO NEMKO DEMKO 10A 250V 70°C

ᵤL CSA 15A 250V 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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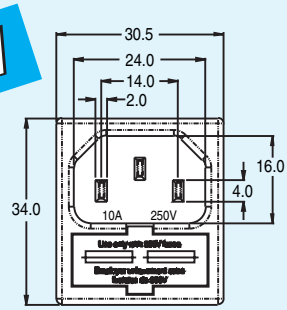
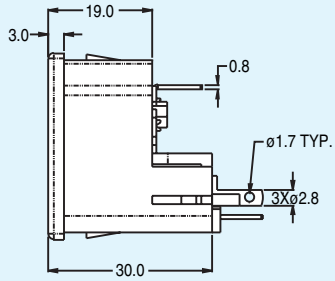
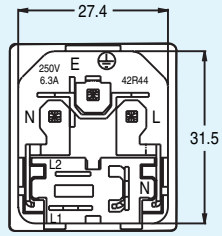
PRINTED CIRCUIT
42R44

NEW




# EXAMPLE & ORDERING CODE

42R44- | 3 | | 1 | | 4 | | 1 | - | 150 |

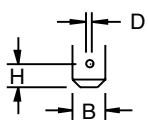
MECHANICAL MOUNTING CONFIGURATION

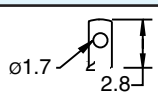
SNAP-IN =3

COLOR

BLACK =1

TERMINAL DIMENSIONS




| B | H | D |
|---|---|---|
| 4.8 | 3.0 | ø1.4 |
| 6.3 | 4.0 | ø1.65 |

SOLDER TERMINAL =4

4.8mm QUICK CONNECT =1

6.3mm QUICK CONNECT =2

ELECTRICAL CIRCUIT CONFIGURATION

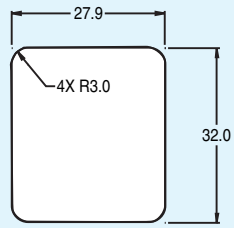
10A 250V 70°C 2 Pole +Ground 2 Fuse =1

10A 250V 120°C 2 Pole +Ground 2 Fuse =2

PANEL THICKNESS

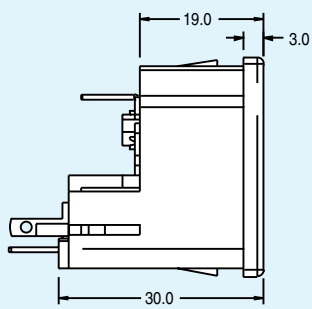
1.5mm =150
2.0mm =200
2.5mm =250

Additional panel thickness available on request.

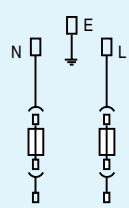



RECOMMENDED
PANEL CUTOUT

SIDE VIEW




Circuit with
2 Fuseholders




Terminal

Double fuse holder power cord connector for international markets. Fuse holders touch proof in accordance with international product safety requirements. Accepts 5 x 20mm European fuse for maximum versatility in product applications. Fuse connections are externally accessible & isolated from power connections. Solder lug and quick connect terminal configurations available.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel

**Solder:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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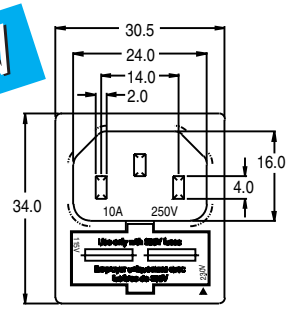
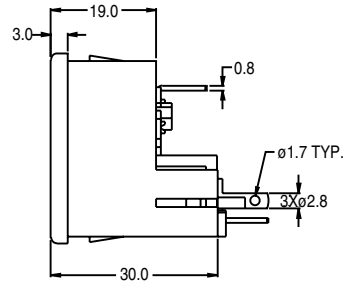
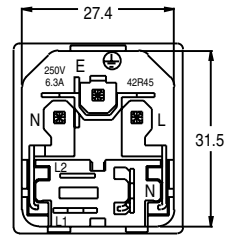
PRINTED CIRCUIT
42R45




# EXAMPLE & ORDERING CODE

42R45- 3 1 4 1 - 150

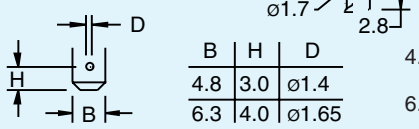
**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN =3

**COLOR**

BLACK =1

**TERMINAL DIMENSIONS**




| B | H | D |
|---|---|---|
| 4.8 | 3.0 | ø1.4 |
| 6.3 | 4.0 | ø1.65 |

SOLDER TERMINAL =4

4.8mm QUICK CONNECT =1

6.3mm QUICK CONNECT =2

**ELECTRICAL CIRCUIT CONFIGURATION**

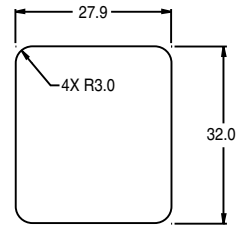
10A 250V 70°C 2 Pole +Ground 2 Fuse =1

10A 250V 120°C 2 Pole +Ground 2 Fuse =2

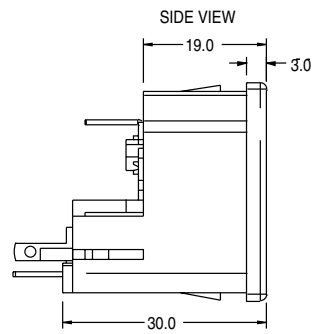
**PANEL THICKNESS**

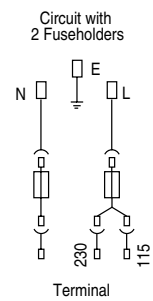
1.5mm =150
2.0mm =200
2.5mm =250

Additional panel thickness available on request.




RECOMMENDED
PANEL CUTOUT




Same features as 42R44 but with voltage selector. Change voltages by rotating fuse cartridge. Meets all international safety requirements. Fuse holder accepts double 5 x 20mm fuses both line and neutral.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel

**Solder:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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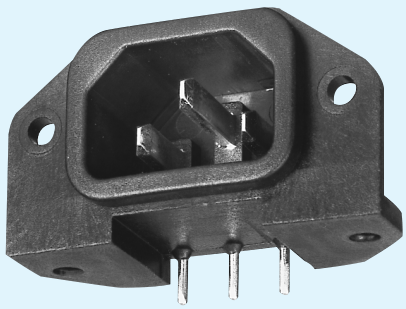
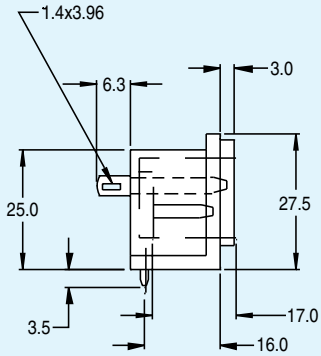
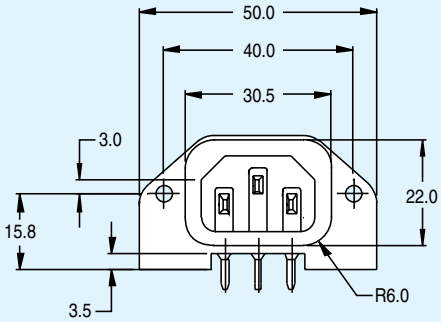
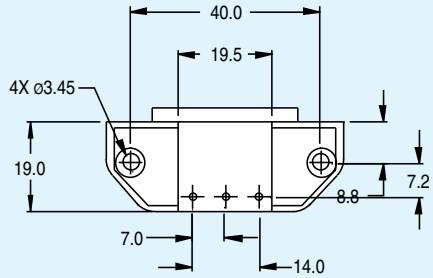
PRINTED CIRCUIT
42R65

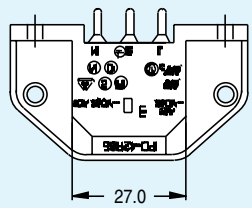




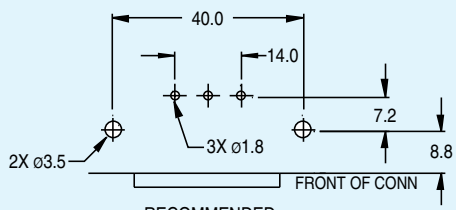




Combination power cord connector with printed circuit terminals. Conforms with all international product safety requirements. Rated 15 Amp., 250 VAC and , 10 Amp., 250 VAC for , 70°C operating temperature. For automated and hand assembly operations.




| PART NUMBER | | |
|---|---|---|
| 42R65 | 250V 70°C 2 Pole + Ground | |
| 42R65-2P | 250V 70°C 2 Pole | |




RECOMMENDED
PCB LAYOUT

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**PC Pins:**
Material: Brass
Plating: Tin

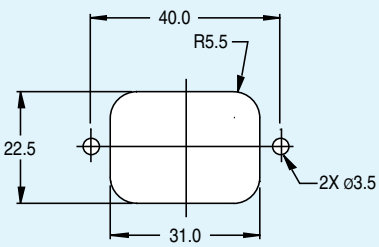
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C

15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




RECOMMENDED
PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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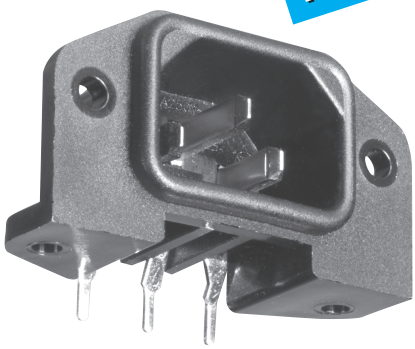
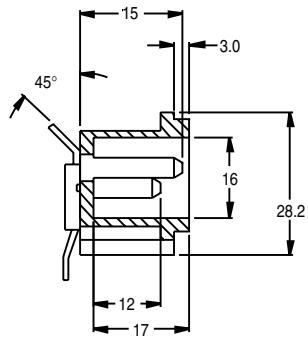
e-mail: sales@powerdynamics.com • www.powerdynamics.com

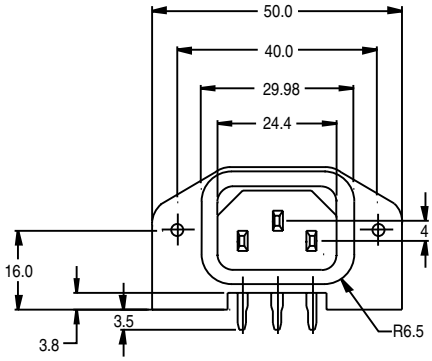
Power Dynamics, Inc.

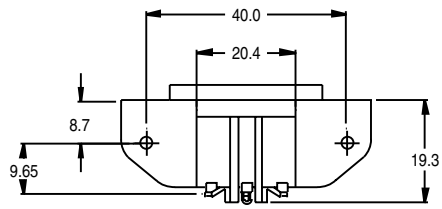
PRINTED CIRCUIT
PD-42R65-9.7

NEW

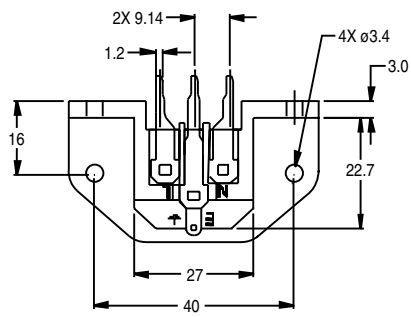





Combination power cord connector with printed circuit terminals. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC and , 10 Amp., 250 VAC for , 70°C operating temperature. For automated and hand assembly operations.




| PART NUMBER | PD-42R65-9.7 |
|---|---|

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Nickel

**PC Pins:**
Material: Bronze
Plating: Tin

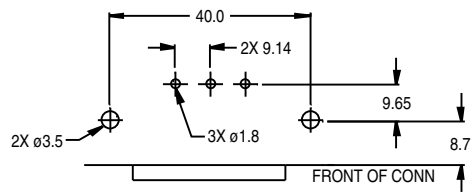
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C 2 Pole + Ground

15A 250 VAC 70°C 2 Pole + Ground

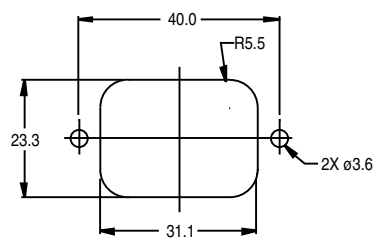
**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




RECOMMENDED
PCB LAYOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**




RECOMMENDED
PANEL CUT-OUT

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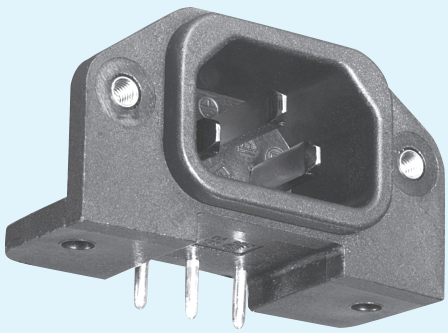
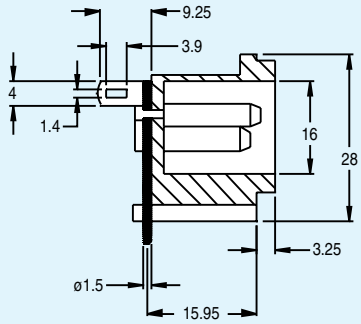
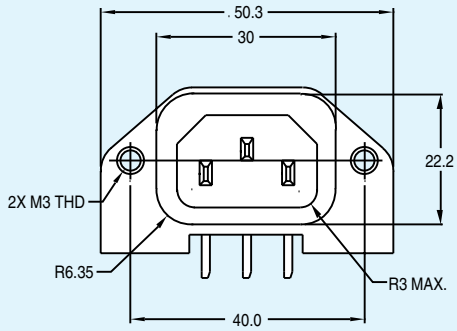
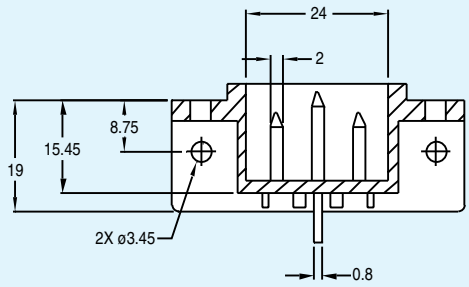
PRINTED CIRCUIT
42R65-T

NEW



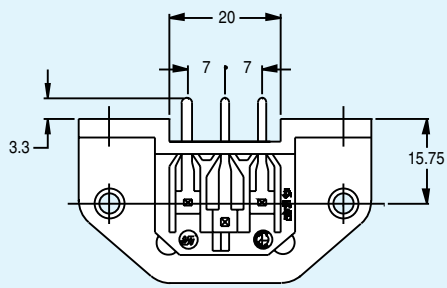



Combination power cord connector with printed circuit terminals. Conforms with all international product safety requirements. Rated 15 Amp., 250 VAC and , 10 Amp., 250 VAC for , 70°C operating temperature. For automated and hand assembly operations.

| PART NUMBER | 42R65-T |
|---|---|




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**PC Pins:**
Material: Brass
Plating: Tin

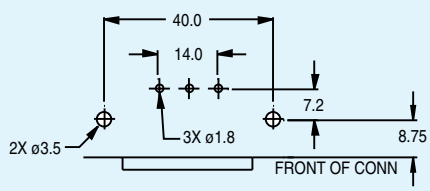
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C 2 Pole + Ground

15A 250 VAC 70°C 2 Pole + Ground

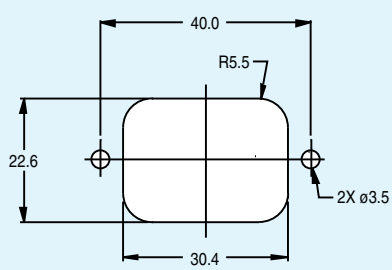
**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




RECOMMENDED
PCB LAYOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**




RECOMMENDED
PANEL CUT-OUT

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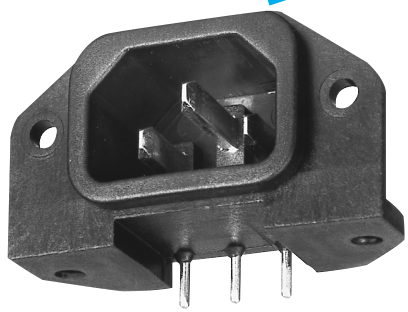
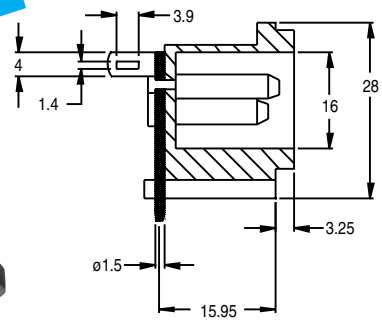
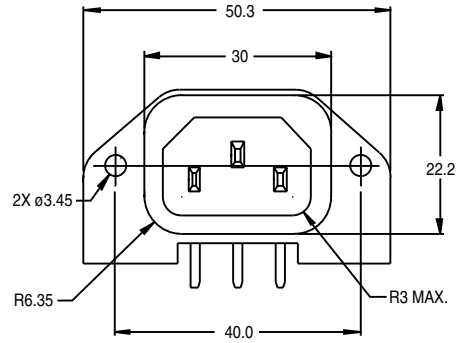
Power Dynamics, Inc.

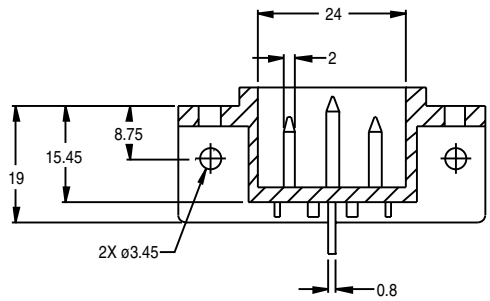
PRINTED CIRCUIT
42R65-1111

NEW

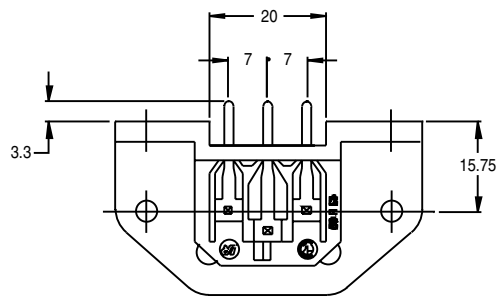





Combination power cord connector with printed circuit terminals. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC and , 10 Amp., 250 VAC for , 70°C operating temperature. For automated and hand assembly operations.




| PART NUMBER | 42R65-1111 |
|---|---|

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**PC Pins:**
Material: Brass
Plating: Tin

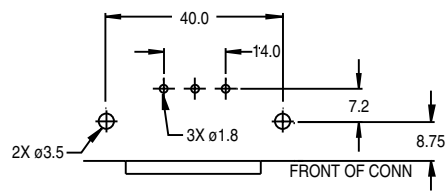
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C 2 Pole + Ground

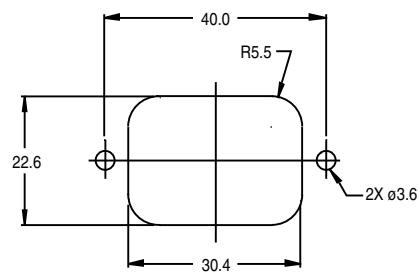
15A 250 VAC 70°C 2 Pole + Ground

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




RECOMMENDED
PCB LAYOUT




RECOMMENDED
PANEL CUT-OUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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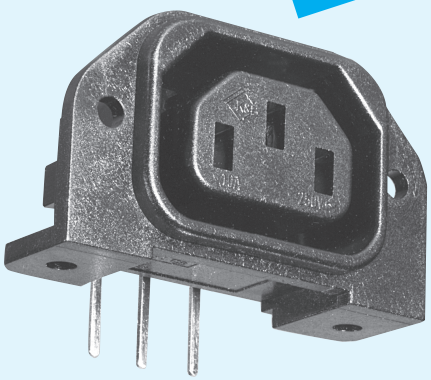
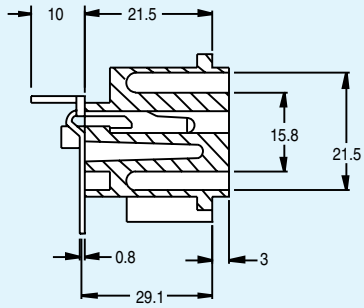
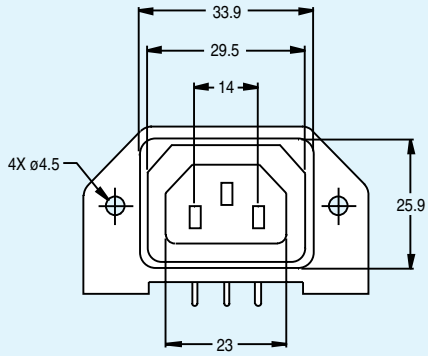
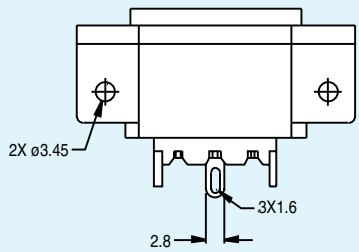
PRINTED CIRCUIT
43R65

NEW



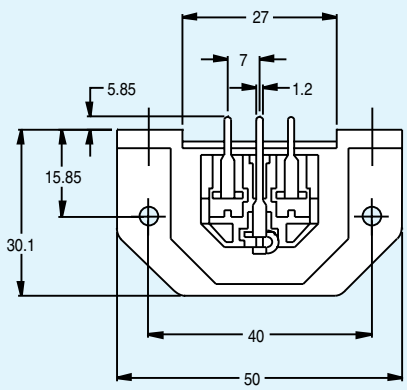



Combination power cord connector with printed circuit terminals. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC and , 10 Amp., 250 VAC for , 70°C operating temperature. For automated and hand assembly operations.

| PART NUMBER | 43R65 |
|---|---|




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**PC Pins:**
Material: Brass
Plating: Tin

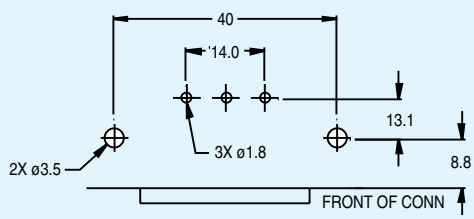
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C 2 Pole + Ground

15A 250 VAC 70°C 2 Pole + Ground

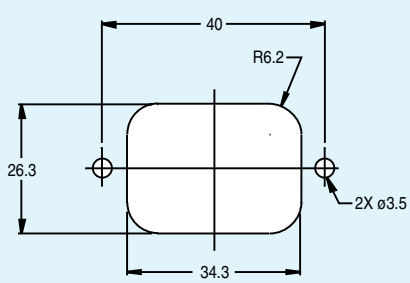
**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




RECOMMENDED
PCB LAYOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**




RECOMMENDED
PANEL CUT-OUT

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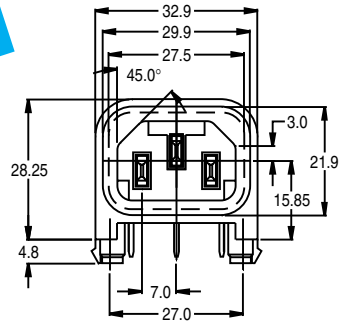
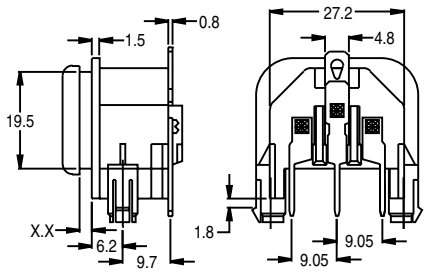
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PDI® Power Dynamics, Inc.

PRINTED CIRCUIT
42R80

NEW




# EXAMPLE & ORDERING CODE

42R80- | 1 | 1 | 1 | 2 | - | 150 |

**MECHANICAL MOUNTING CONFIGURATION**

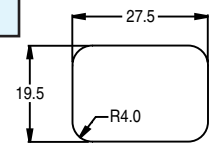
=1

**COLOR**
BLACK =1

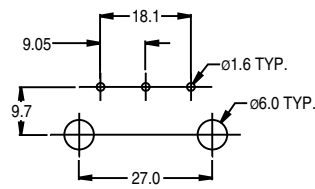
**TERMINALS**
PCB PINS =1

**ELECTRICAL CIRCUIT CONFIGURATION**
10A 15A 250V 70°C 2 Pole +Ground =2
10A 15A 250V 70°C 2 Pole =4

**PANEL THICKNESS**
1.5mm =150
2.0mm =200
2.5mm =250
Additional panel thickness available on request.



RECOMMENDED PANEL CUT OUT (SPLIT TYPE)



RECOMMENDED PCB LAYOUT

General purpose IEC connector. Snap mounting pegs firmly supports connector during soldering process. Face flange incorporates a slotted design to accept a wide range of panel thickness. Conforms with all international safety requirements. Rated 15 Amp, 250 VAC for UL and CSA, 10 Amp 250 VAC for VDE.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel

**PC Pins:**
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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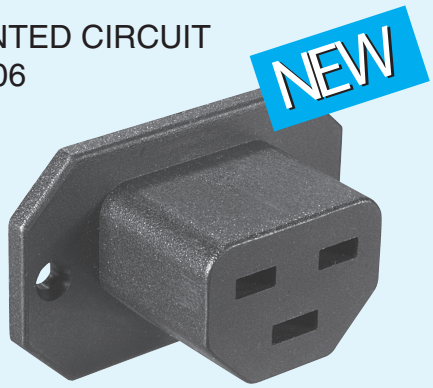
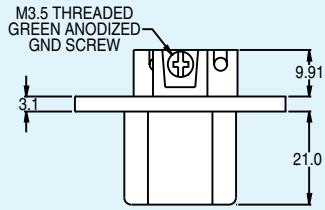
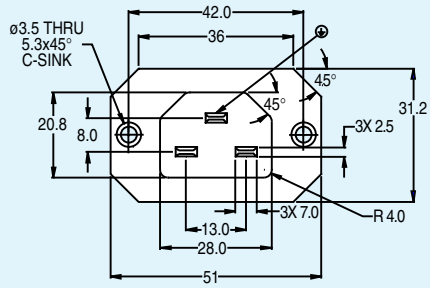
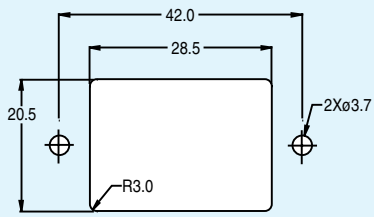
PRINTED CIRCUIT
43R06




CROSS SECTION

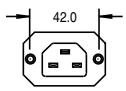



# EXAMPLE & ORDERING CODE

43R06- 2 1 1 4

**MECHANICAL MOUNTING CONFIGURATION**

SIDE FLANGE (42MM) HOLE SPACING 

=2

**COLOR**

BLACK =1

**TERMINAL**

M3.5 SCREW TERMINAL =1

**ELECTRICAL CIRCUIT CONFIGURATION**

16A 20A 250V 155°C 2 Pole +Ground =4

Combination power cord connector designed for recessed and rack or panel mounting. Conforms with all international product safety requirements.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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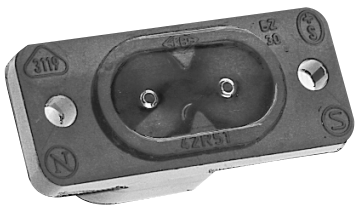
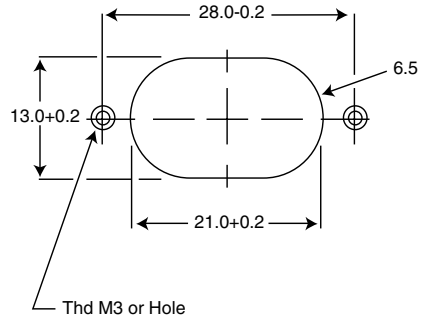
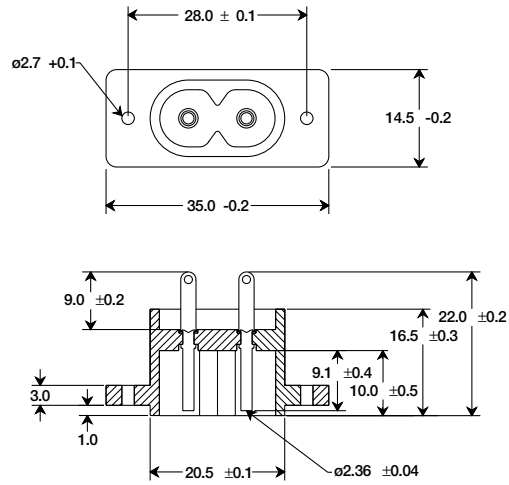
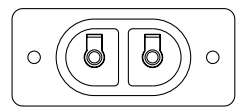
42R51



PANEL CUT-OUT



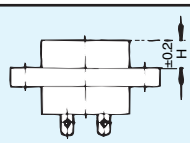



# EXAMPLE & ORDERING CODE

42R51- [1] [1] [2] [1]

PANEL THICKNESS




H { .04 (1.0 mm) =1
.24 (6 mm) =2

Miniature power connector, in accordance with DIN 49455 and CEE 22 standards. Designed for low profile applications ie., laptop and notebook computers.

# SPECIFICATIONS

**MECHANICAL:**

**Material:**
Housing: P.B.T.
Pin: Brass

**Plating:**
Pin: Nickel
Solder: Silver

**ELECTRICAL SPECIFICATIONS:**

**Rating:** 125 VAC 3A
12 VDC 1A

**Contact Resistance:** 30 Megaohm max.

**Insulating Resistance:** 100 Megaohm min. @ 500 VDC

**Withstanding Voltage:** Primary AC 4,000V/ minute

**Operating Life:** 5,000 cycles insertion/ withdrawal

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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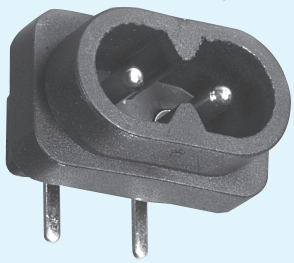
e-mail: sales@powerdynamics.com • www.powerdynamics.com

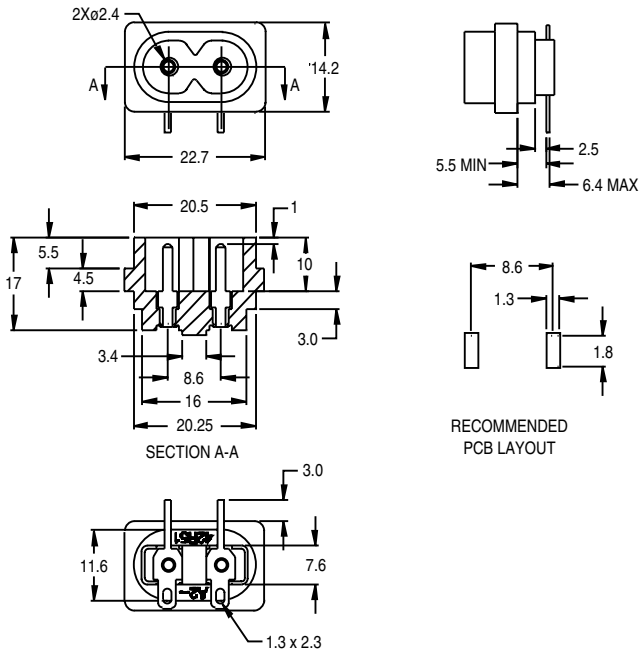
# Miniature IEC Connectors

Miniature IEC inlet connectors are designed for small electronic and electrical appliances where panel space is limited. Available in screw and snap-in panel mount with solder and PC Pin terminals. IEC 60320 standard C6 and C8 conforms with all international safety requirements and accordance with DIN 49455 standards.

## PRINTED CIRCUIT
## 42R51-5123

NEW






### SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

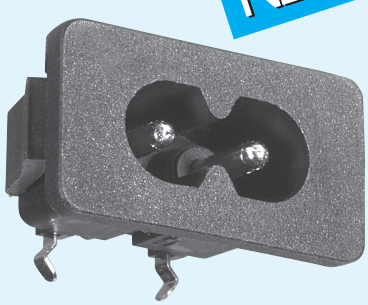
2.5A 250 VAC 70°C

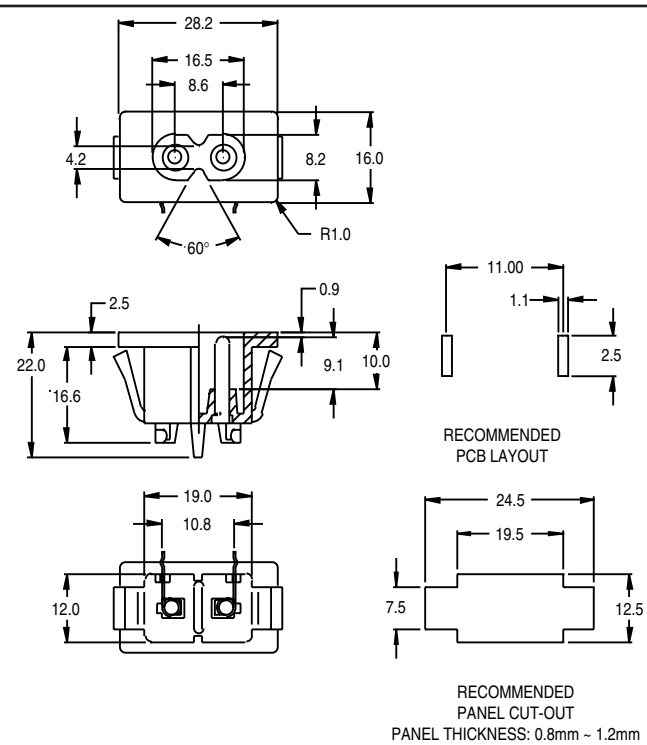
**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

## PRINTED CIRCUIT
## 42R51-5124

NEW






### SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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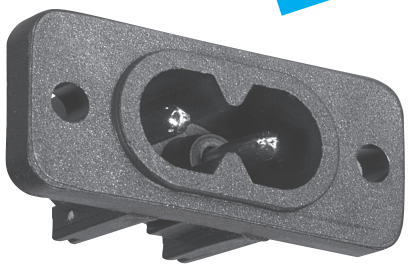
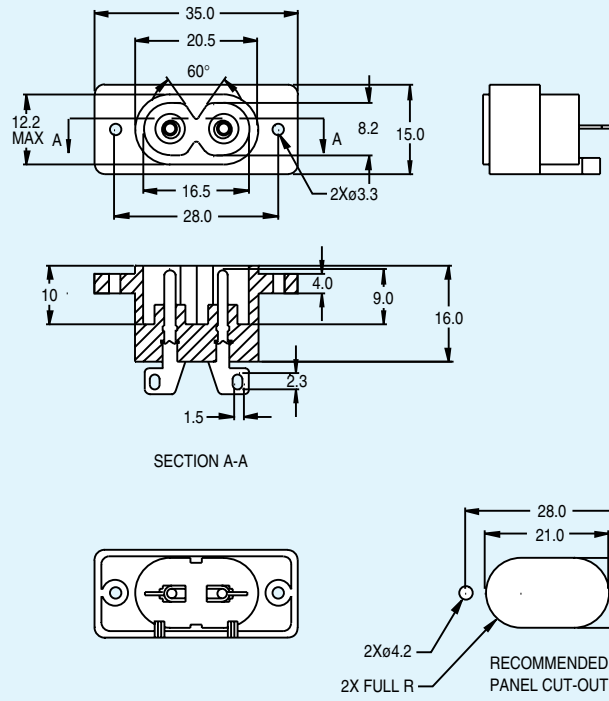
PDI® Power Dynamics, Inc.

# Miniature IEC Connectors

## SIDE FLANGE/SOLDER
## 42R51-5125

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Terminals:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

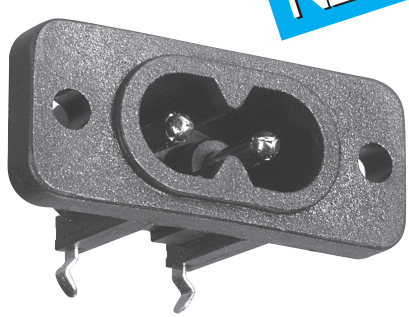
**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

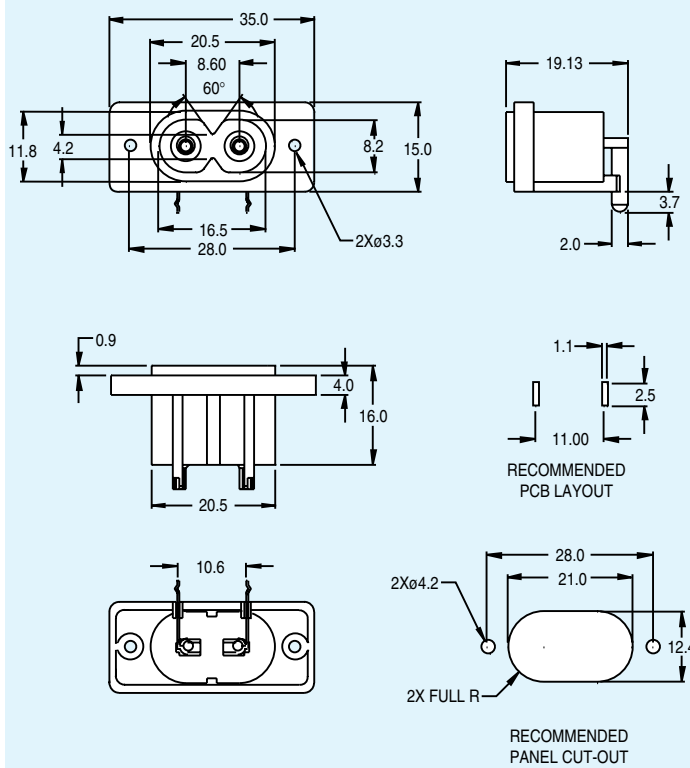
**Dielectric Strength:**
2000 VAC for 1 minute

---

## SIDE FLANGE/SOLDER
## 42R51-5126

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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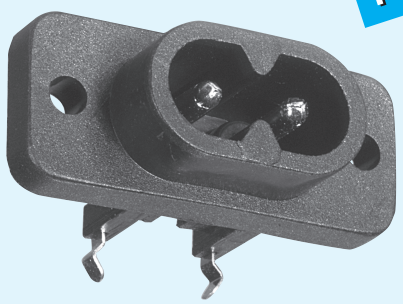
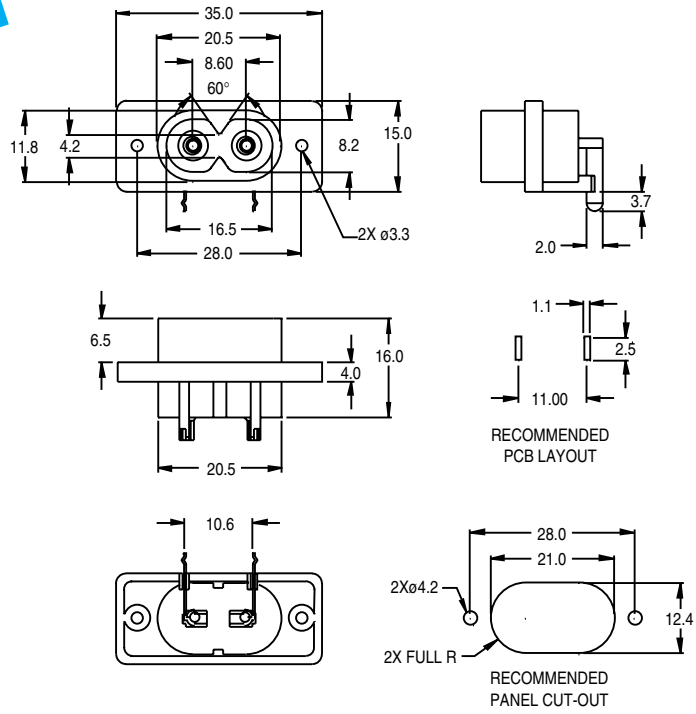
# Miniature IEC Connectors

## SIDE FLANGE/PRINTED CIRCUIT
42R51-5127

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

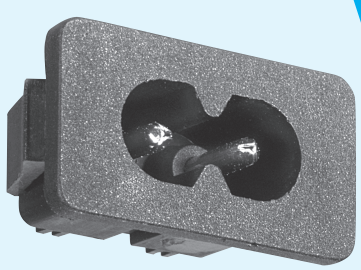
**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

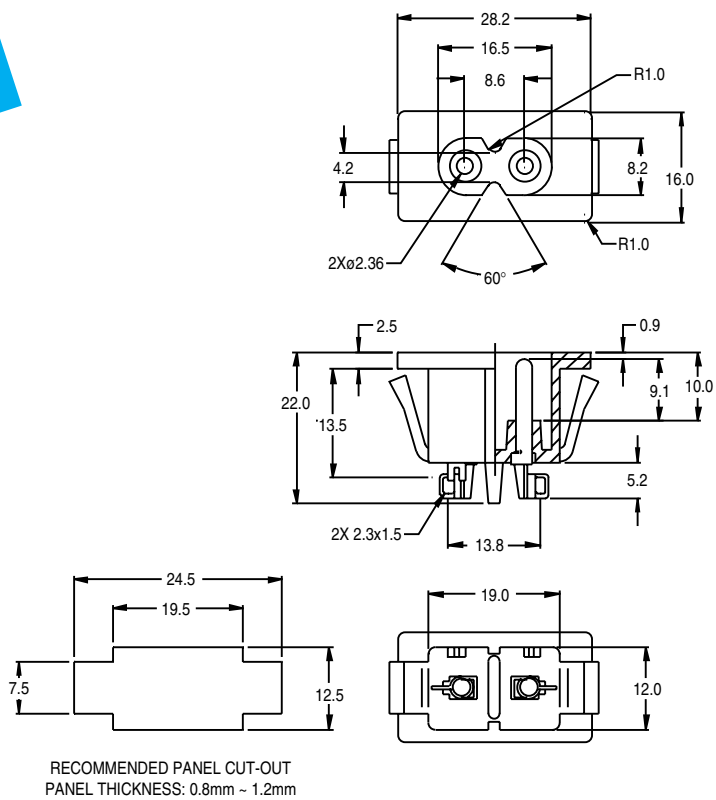
**Dielectric Strength:**
2000 VAC for 1 minute

---

## SNAP IN/SOLDER
42R51-5128

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Terminals:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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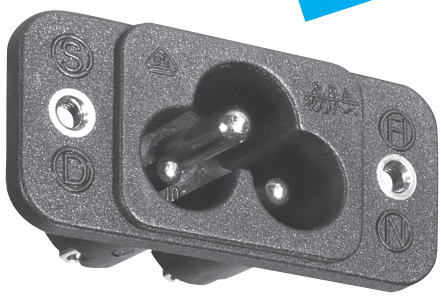
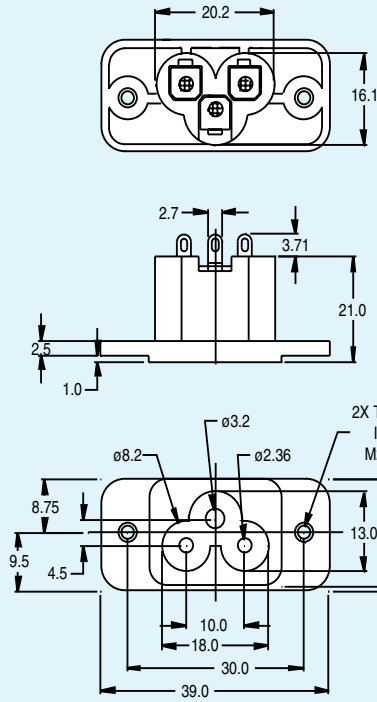
Power Dynamics, Inc.

# Miniature IEC Connectors

## SIDE FLANGE/SOLDER
## 42R51-5131

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Terminals:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

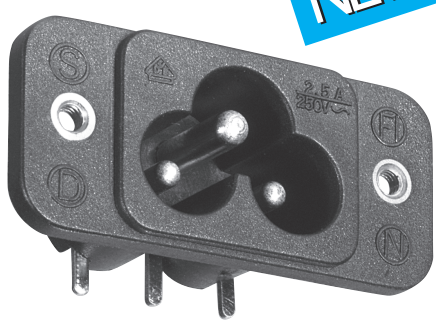
2.5A 250 VAC 70°C

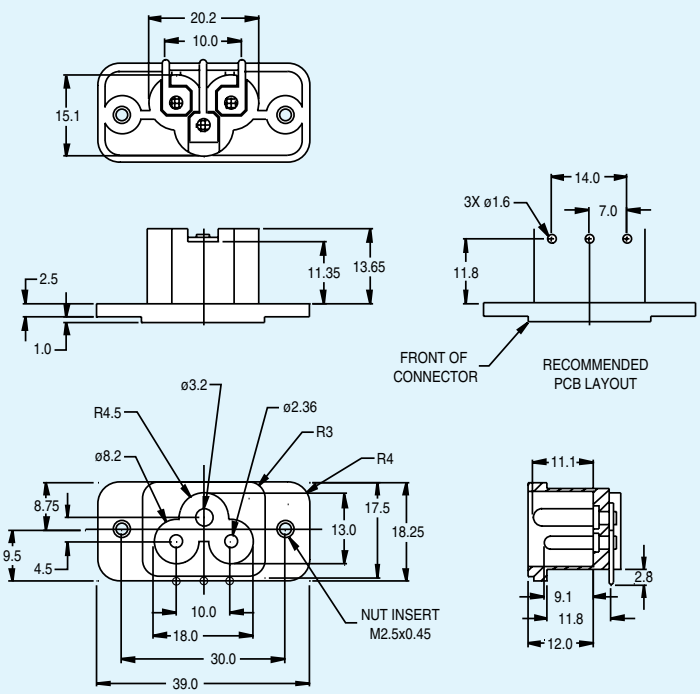
**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

## SNAP IN/PRINTED CIRCUIT
## 42R51-5131RA

NEW






## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
PC Pins:
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

2.5A 250 VAC 70°C

**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# Miniature IEC Connectors

SIDE FLANGE/SOLDER
PD-42R51-1122

NEW

## SPECIFICATIONS

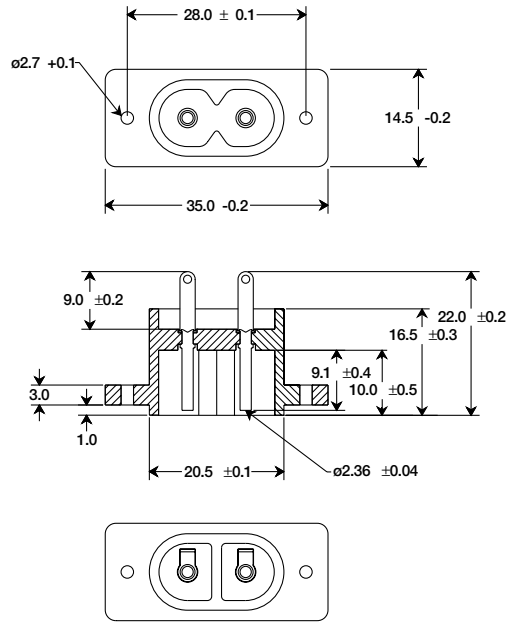
**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

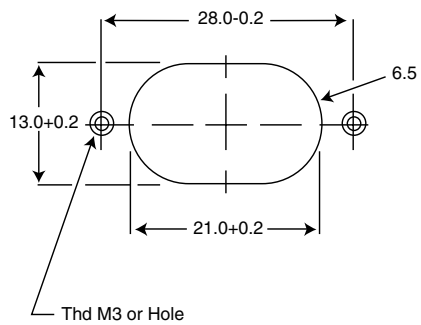
**Contacts:**
Terminals:
Material: Brass
Plating: Tin

**Insulation Resistance:**
100 Megaohm min. @ 500 VDC

**Dielectric Strength:**
2000 VAC for 1 minute




PANEL CUT-OUT




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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Power Dynamics, Inc.

# AUSTRALIAN/NEW ZEALAND (AS 3112)

PD-16AU **10A 240V AC**

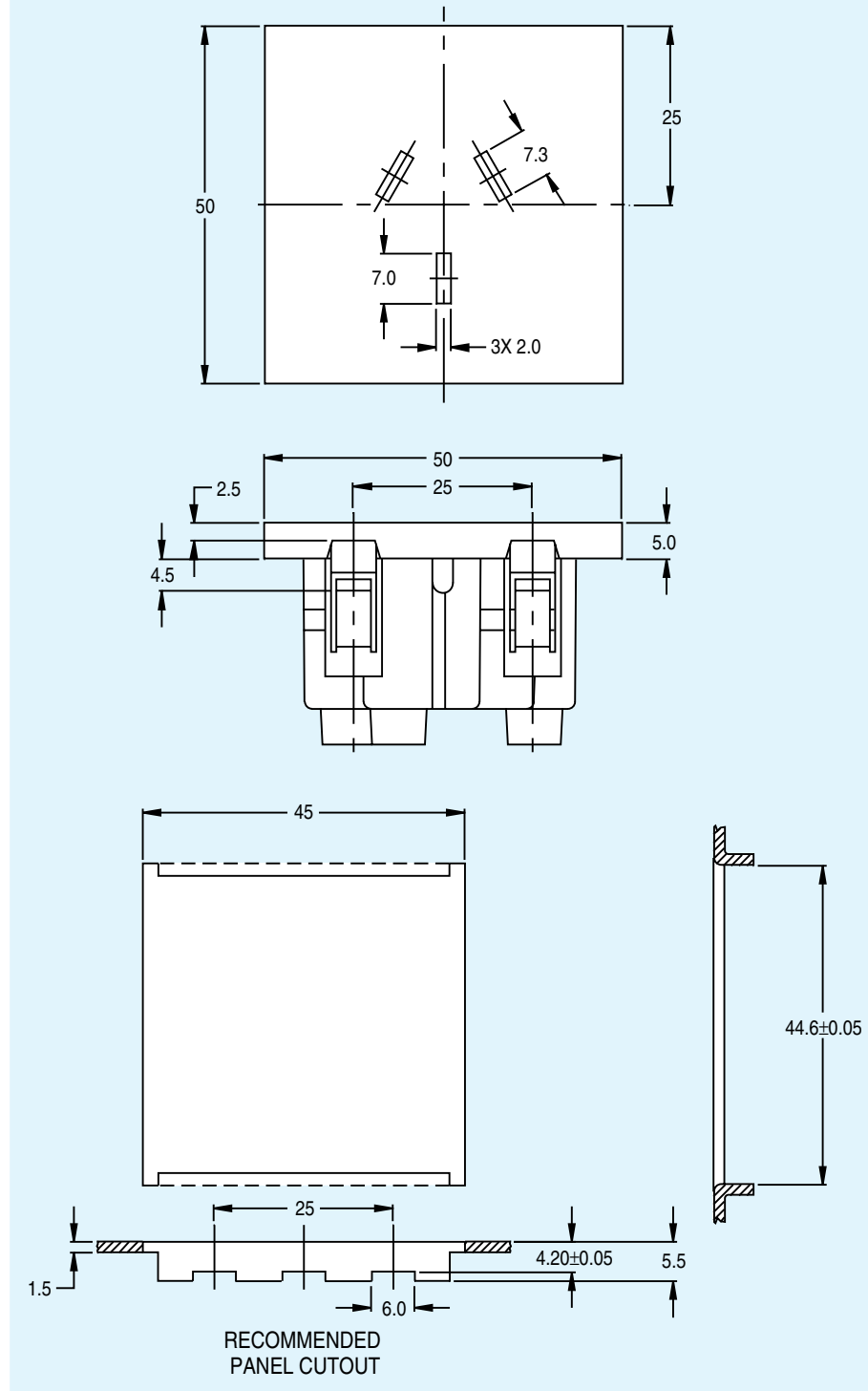
**Approvals:**

**TECHNICAL DATA:**
- Snap-in panel mounting
- Screw-in terminals
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 10A
- Rated voltage: 240 VAC
- Dielectric withstanding voltage: 2000 VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: PC, Color white, UL-94V-0 Rated

Contacts: Brass

PD-16AU DIMENSIONS




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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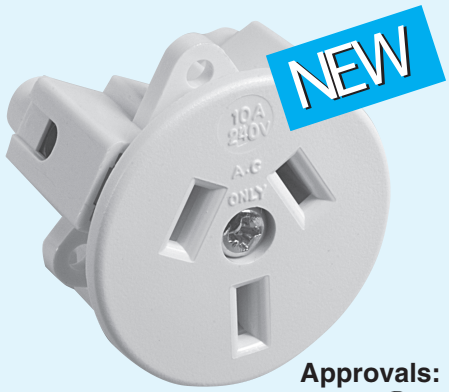
e-mail: sales@powerdynamics.com • www.powerdynamics.com

# AUSTRALIAN/NEW ZEALAND (AS 3112)

PD-16AU-1 **10A 240V AC**



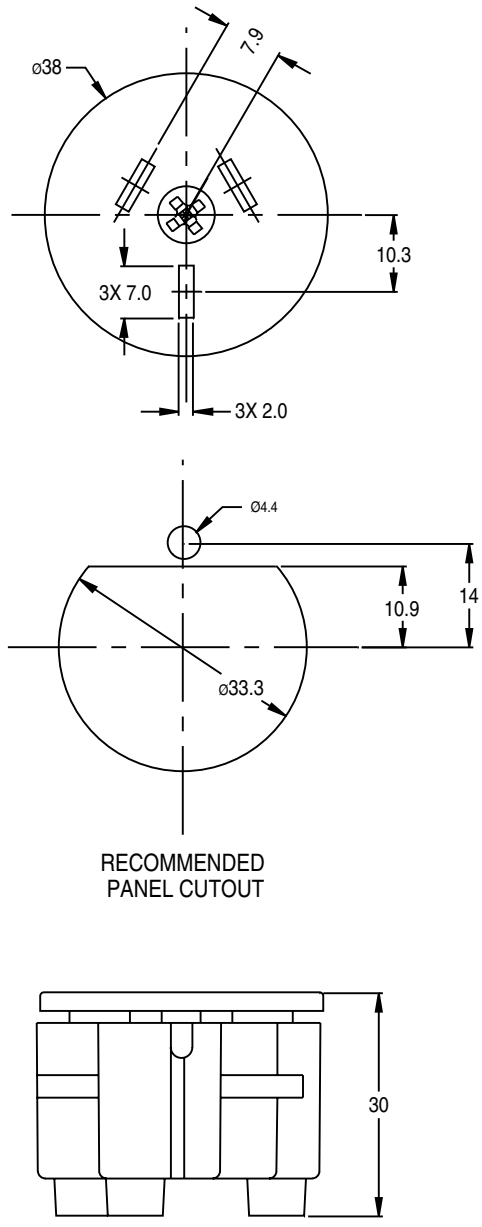

**Approvals:**

**TECHNICAL DATA:**
- Snap-in panel mounting
- Screw-in terminals
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 10A
- Rated voltage: 240 VAC
- Dielectric withstanding voltage: 2000 VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: PC, Color white, UL-94V-0 Rated

Contacts: Brass

PD-16-AU-1 DIMENSIONS




RECOMMENDED PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# CONTINENTAL EUROPE (CEE 7/7)

PD-16EU **10A~16A 250V AC**

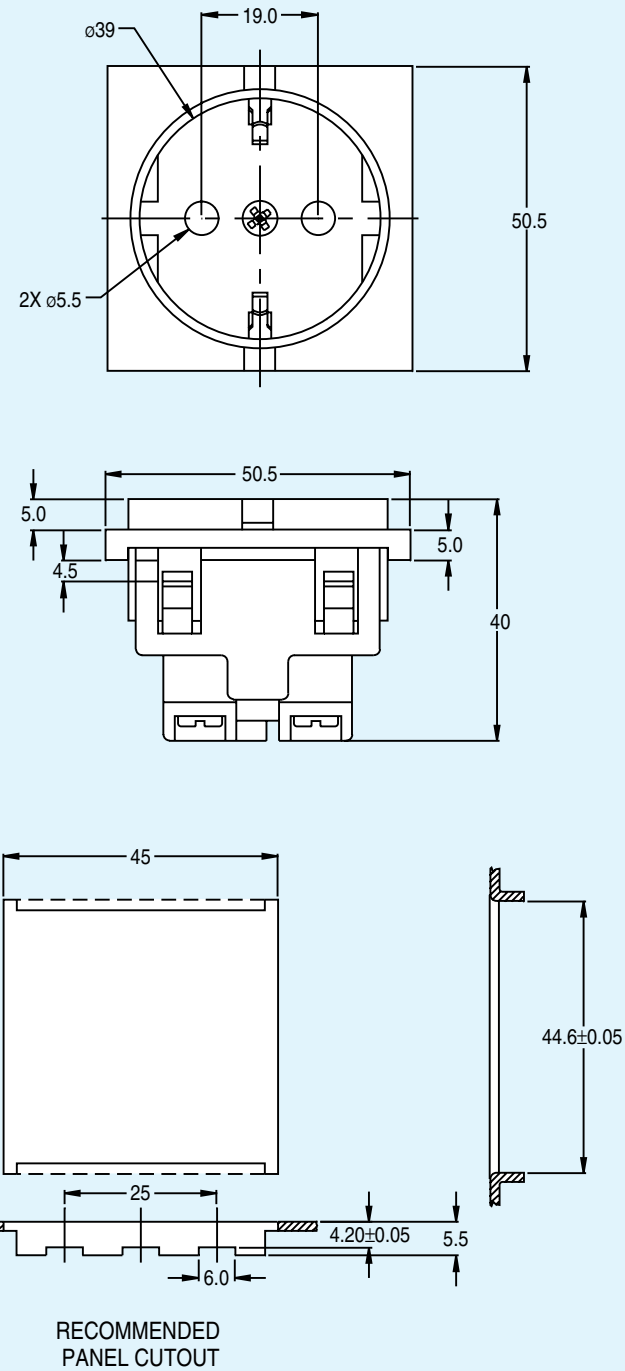
**Approvals:**

**TECHNICAL DATA:**
- Snap-in panel mounting
- Screw-in terminals
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 10A~16A
- Rated voltage: 250 VAC
- Dielectric withstanding voltage: 2000 VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: Nylon 66, UL-94V-0 Rated

Contacts: Brass

PD-16EU DIMENSIONS




RECOMMENDED PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# FRANCE/BELGIUM (CEE 7)

PD-16F

**10A~16A 250V AC**

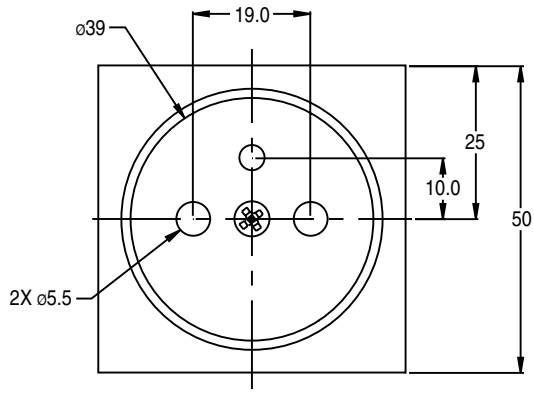
**Approvals:**

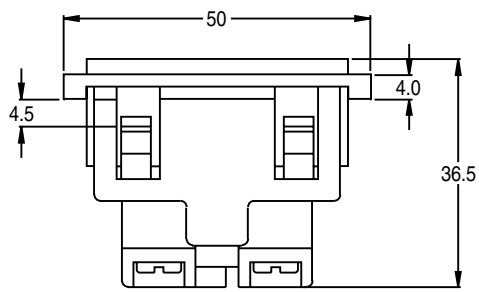
**TECHNICAL DATA:**
- Snap-in panel mounting
- Screw-in terminals
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 10A~16A
- Rated voltage: 250 VAC
- Dielectric withstanding voltage: 2000 VAC for one minute

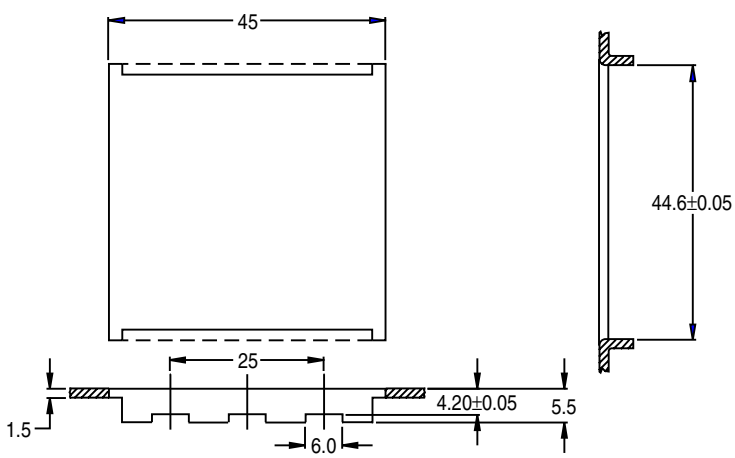
**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: Nylon 66, UL-94V-0 Rated

Contacts: Brass

PD-16F DIMENSIONS




RECOMMENDED PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
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# UNITED KINGDOM (BS 1363)

PD-16UK **13A 250V AC**

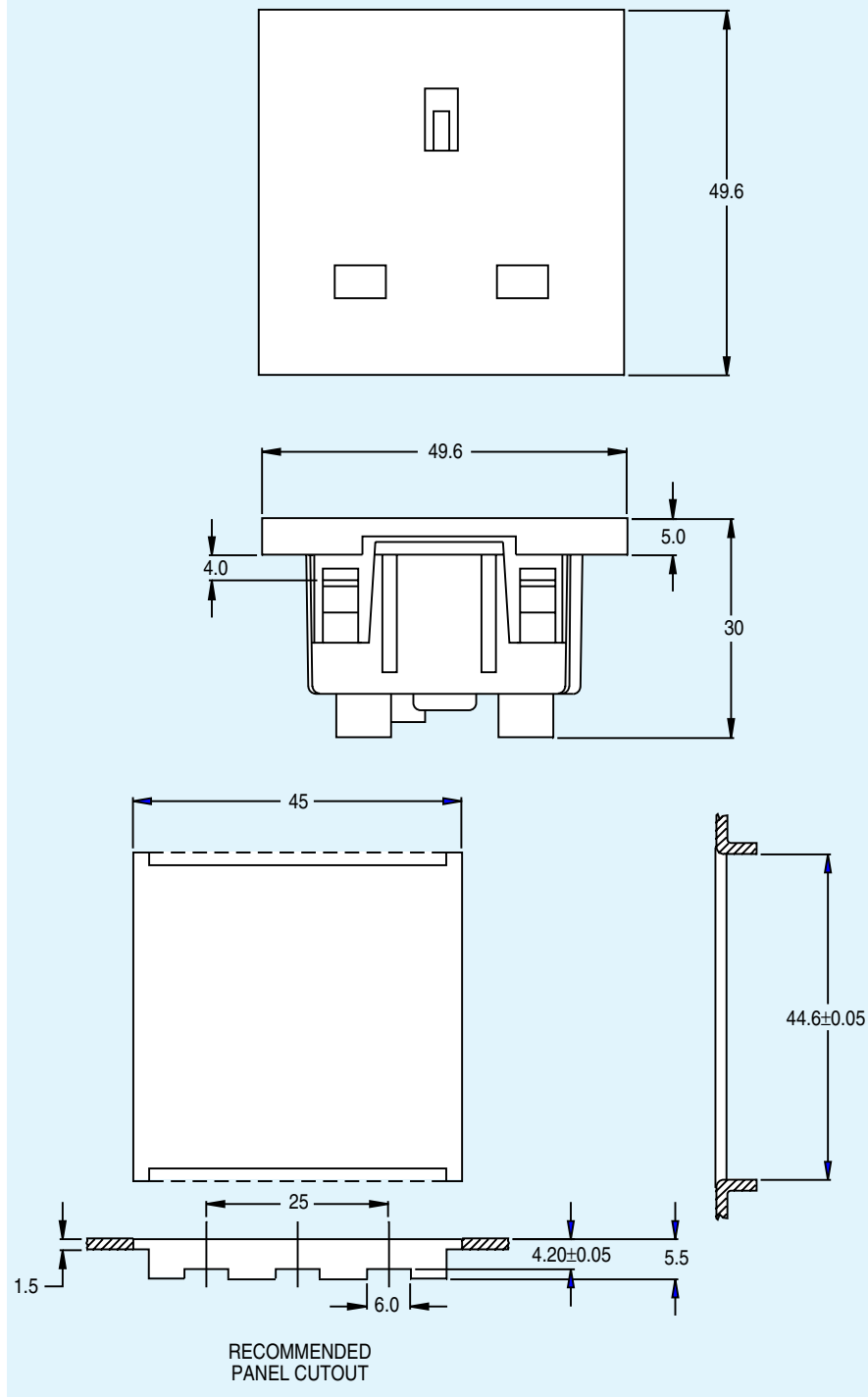
**Approvals:**

**TECHNICAL DATA:**
- Snap-in panel mounting
- Screw-in terminals
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 13A
- Rated voltage: 250 VAC
- Dielectric withstanding voltage: 2000 VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: PC, UL-94V-0 Rated

Contacts: Brass

PD-16UK DIMENSIONS




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# NEMA 1-15 RECEPTACLES

PD-1-15 **15A 125V AC**

**Approvals:**

**NORTH AMERICAN NEMA 5-15R RECEPTACLES**

**TECHNICAL DATA:**

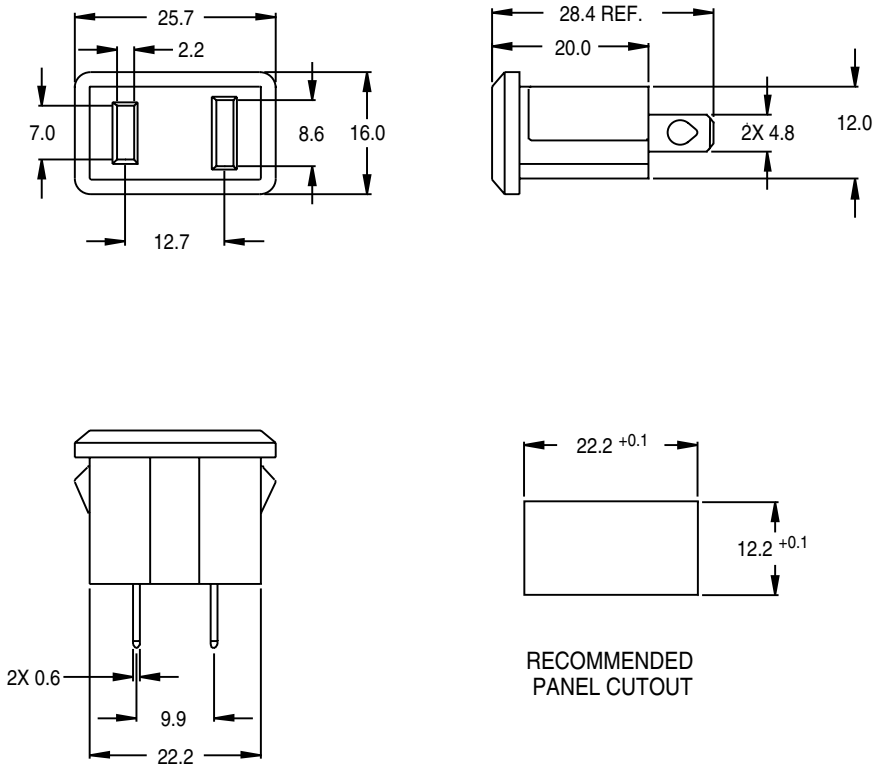
- Snap-in panel mounting
- Quick connect socket terminals
- Contact resistance 30 mΩ Max.
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Rated current: 15A
- Rated voltage: 125 VAC
- Dielectric withstanding voltage: 1000 VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**

Housing: Nylon 66, Color Black, UL-94V-0 Rated

Contacts: Bronze, Tin Plated

PD-1-15 DIMENSIONS




Specifications subject to change without notice. Dimensions in mm.

**See pages 129-140 for mating power cords.**

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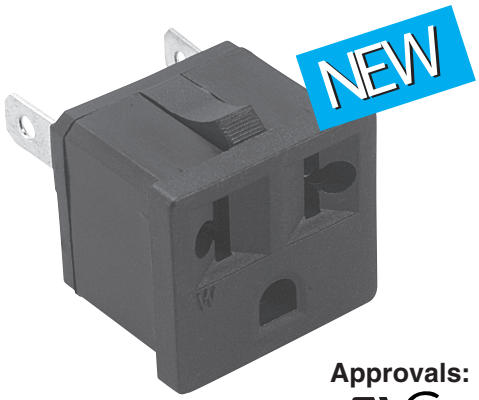
# SOUTH AMERICAN

PD-16X **15A 250V AC**



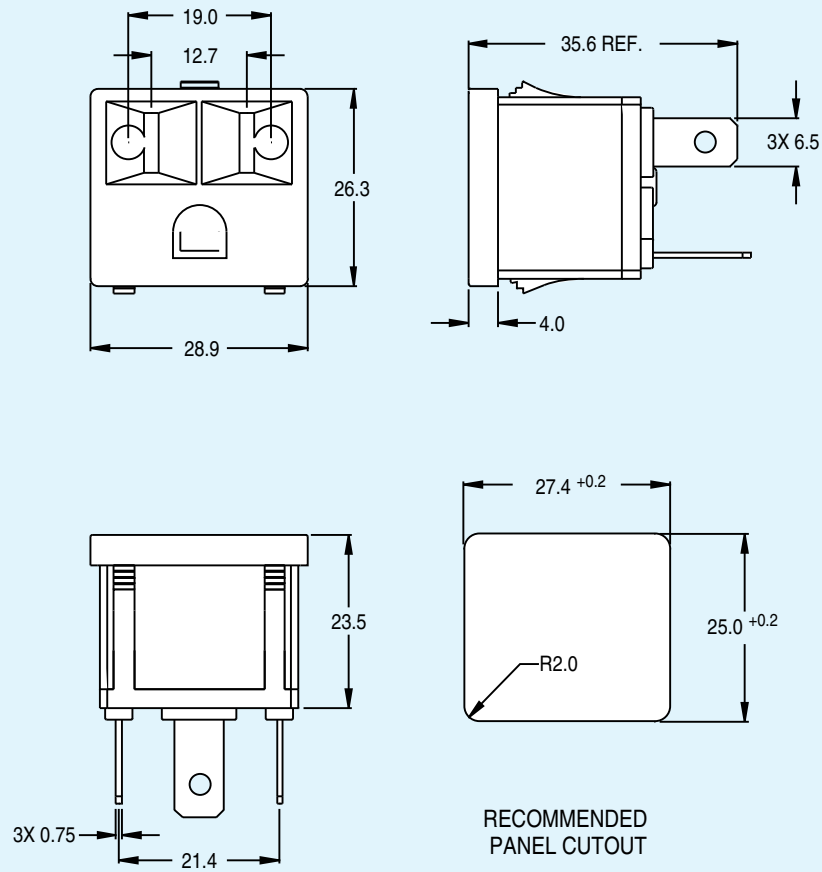

**Approvals:**

**TECHNICAL DATA:**
- Snap-in panel mounting
- Quick connect socket terminals
- Contact resistance 30 Mohm Max.
- Insulation resistance 100 Mohm Min. @ 500 VDC
- Rated current: 15A
- Rated voltage: 125VAC
- Dielectric withstanding voltage: 1000VAC for one minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Housing: Nylon 66, Color Black, UL94-V-0 Rated

Contacts: Bronze, Tin Plated

PD-16X DIMENSIONS




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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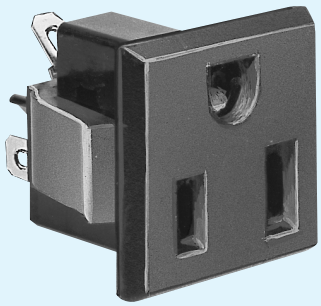
# North American NEMA 5-15R Receptacles

**PD-15-1** **15A 125 VAC**
**PD-15-12**

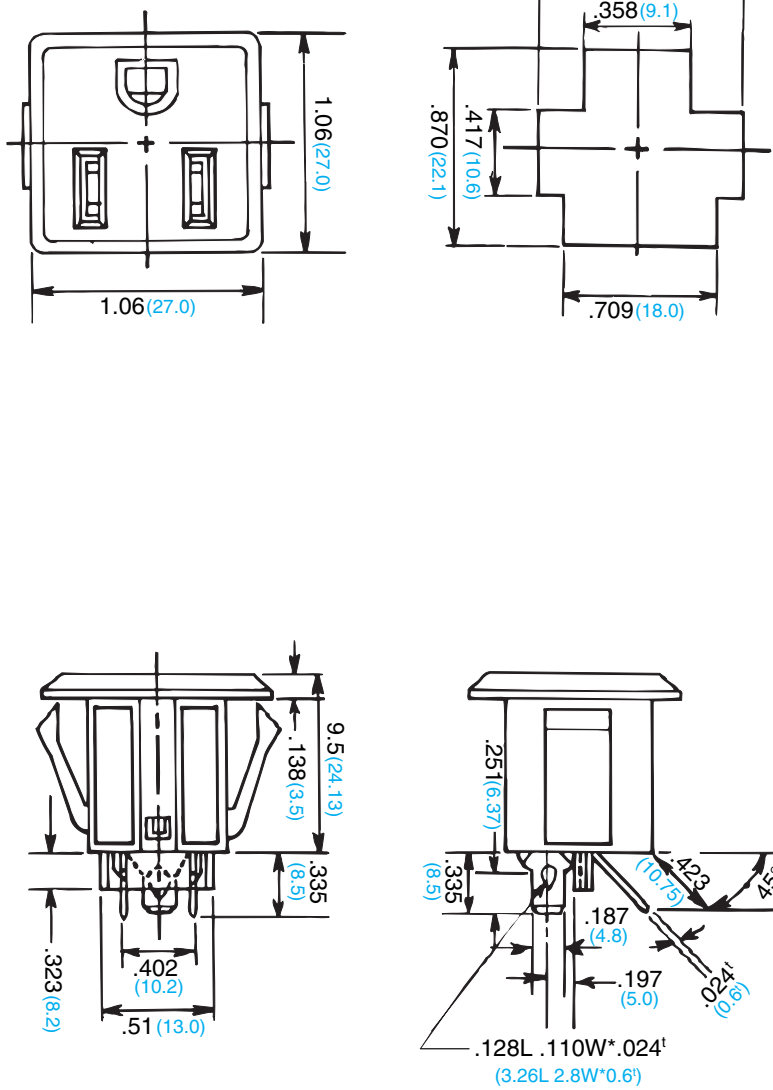


**Approvals:**

**TECHNICAL DATA:**

- Snap-in panel mounting 0.03" ~ 0.063" (0.8 ~ 1.6mm) PD-15-1. (1.6 ~ 3.0mm) PD-15-12.
- Combination solder/quick connect terminals .187 x .020" (4.8 x 5mm).
- Contact resistance 30 mΩ Max. @ 2.5 VDC/1A
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Hi-Pot 1000 VAC/1 minute

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Polycarbonate (PC) UL94-V-0




Connector mates with PDI power cords P/N 10088, 10087, 10086, 10084 and 10082. (See pages 129-140)

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

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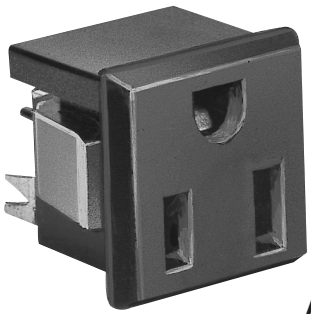
# North American NEMA 5-15R Receptacles

## PD-15

**15A 125 VAC**



**Approvals:**

**TECHNICAL DATA:**

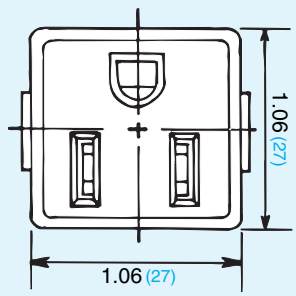
- Snap-in panel mounting 0.03" ~ 0.63" (0.8 ~ 1.6mm).
- V-slotted terminals for connection of multiple receptacles.
- Accepts 14 - 20 AWG wire
- Contact resistance 30 mΩ Max. @ 2.5 VDC/1A
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Hi-Pot 1000 VAC/1 minute

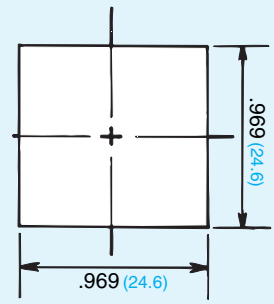
**MATERIAL & FLAMMABILITY CLASSIFICATION:**

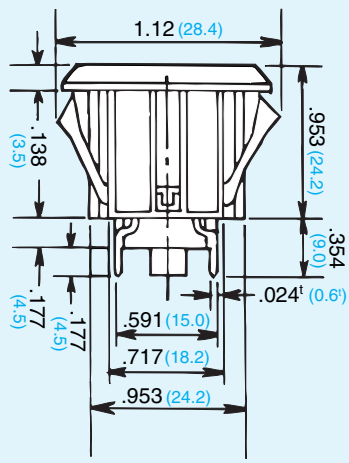
Polycarbonate (PC) UL 94V-0

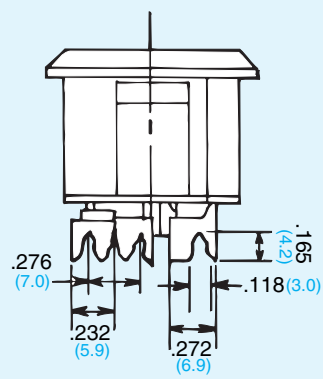
In order to quickly and easily line up several receptacles, just run the AWG #14 solid wire through the V-Slotted terminal as shown and then solder.

**Also available in gray.**
**Specify PD-15-G.**




Connector mates with PDI power cords P/N 10088, 10087, 10086, 10084 and 10082. (See pages 129-140)

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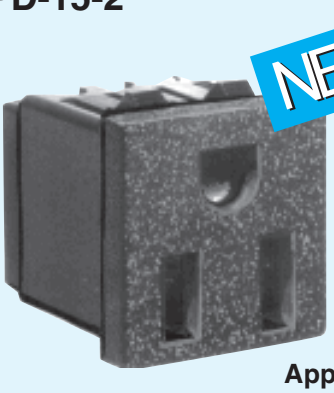
# North American NEMA 5-15R Receptacles

**PD-15-2** **15A 125V AC**




**Approvals:**

**TECHNICAL DATA:**

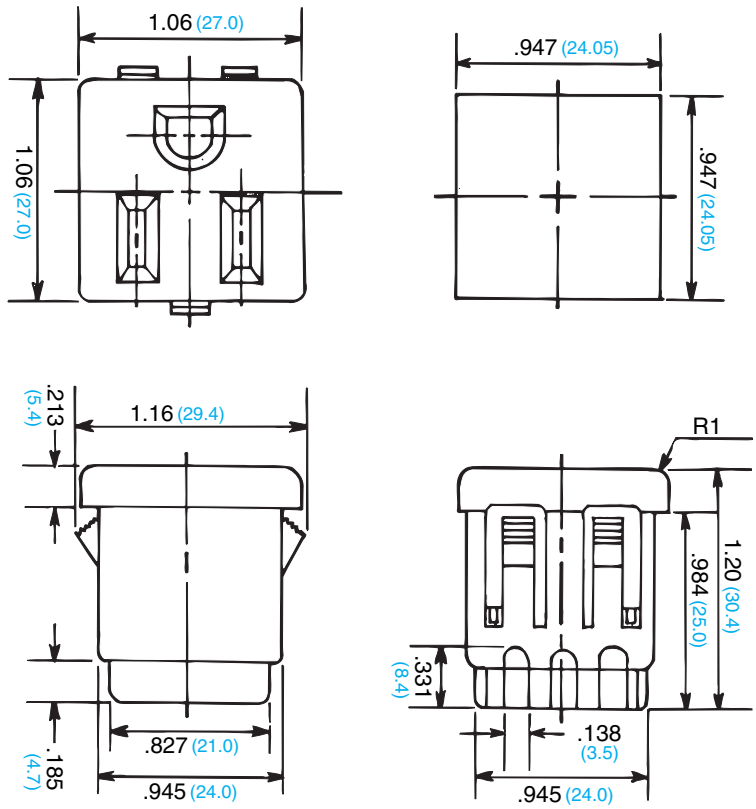
- Snap-in panel mounting 0.03" ~ 0.12" (0.8 ~ 3.0mm)
- Quick connect socket terminals (accepts .205" (5.2mm) tabs)
- Contact resistance 30 mΩ Max. @ 2.5 VDC/1A
- Insulation resistance 100 MΩ Min. @ 500 VDC
- Hi-Pot 1000 VAC/1 minute
- 14 - 16 AWG Max. size solid or stranded wire

**MATERIAL & FLAMMABILITY CLASSIFICATION:**
Nylon 66, UL94-V-0

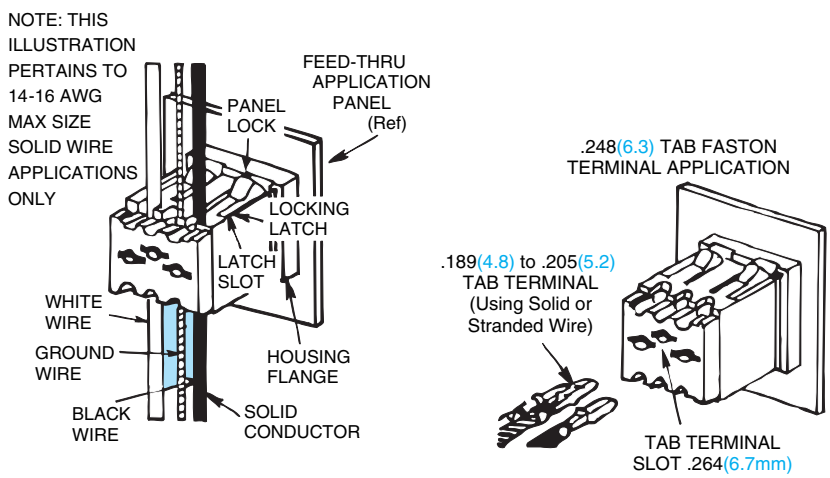
Connector mates with PDI power cords P/N 10088, 10087, 10086, 10084 and 10082. (See pages 129-140)

**Also available in grey. Specify PD-15-2-G.**

PD-15-2 DIMENSIONS




TERMINAL-CONNECTION APPLICATION


NOTE: THIS ILLUSTRATION PERTAINS TO 14-16 AWG MAX SIZE SOLID WIRE APPLICATIONS ONLY
FEED-THRU APPLICATION PANEL (Ref)
PANEL LOCK
LOCKING LATCH
LATCH SLOT
WHITE WIRE
GROUND WIRE
BLACK WIRE
HOUSING FLANGE
SOLID CONDUCTOR
.248(6.3) TAB FASTON TERMINAL APPLICATION
.189(4.8) to .205(5.2) TAB TERMINAL (Using Solid or Stranded Wire)
TAB TERMINAL SLOT .264(6.7mm)

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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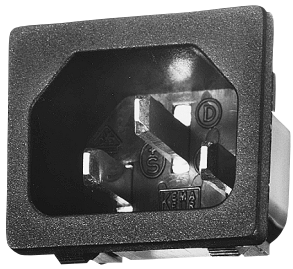
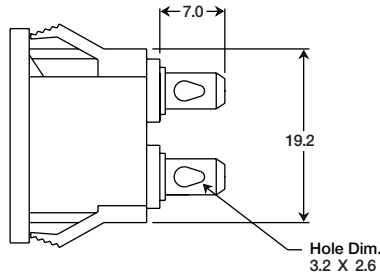
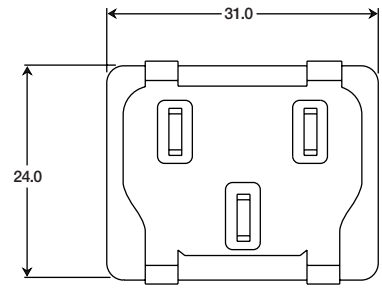
# Universal IEC

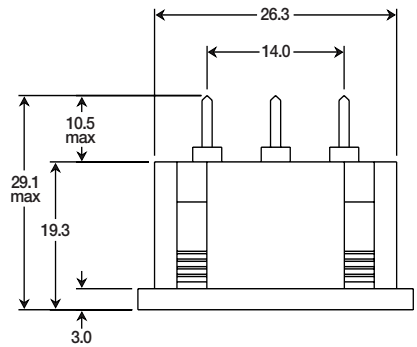
PD-42R02






Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for UL and CSA, 10 Amp., 250 VAC for VDE, 70°C operating temperature.

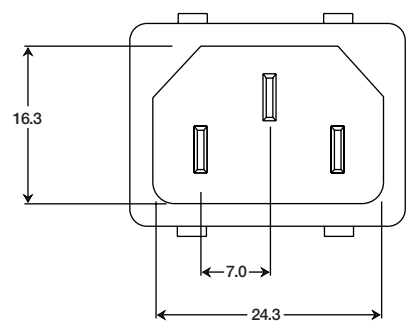



## EXAMPLE & ORDERING CODE

PD - 42R02 - [1] [1]

QUICK CONNECT TERMINAL SIZE:
4.8mm = 1
6.3mm = 2

PANEL THICKNESS RANGE:
.8mm TO 2.0mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Tin

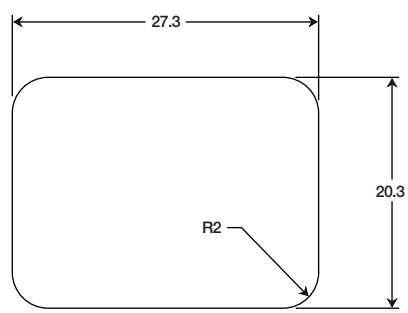
**ELECTRICAL SPECIFICATIONS:**

VDE CSA CSA CSA CSA 10A 250 VAC 70°C

UL CSA 15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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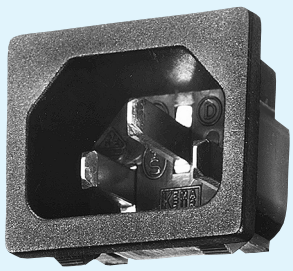
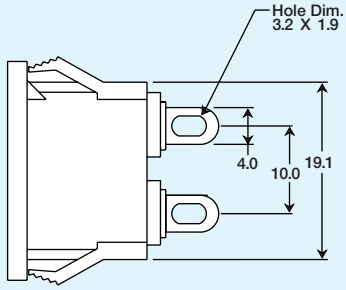
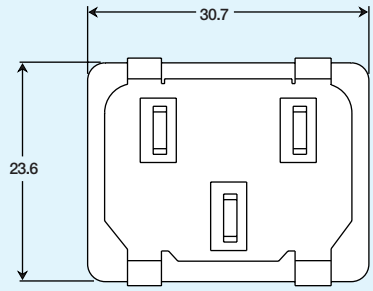
# Universal IEC

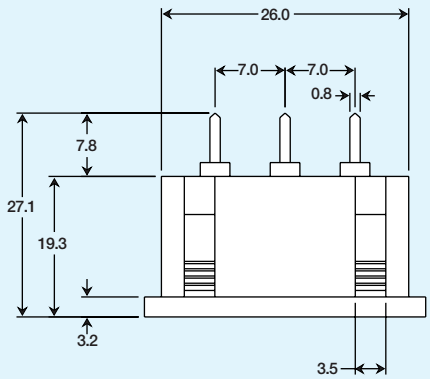
PD-42R03






Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for and , 10 Amp., 250 VAC for , 70°C operating temperature.

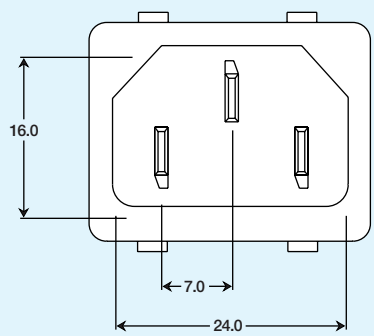



## EXAMPLE & ORDERING CODE

PD - 42R03 - [1] [1]

SOLDER TERMINAL SIZE:
3.2 X 1.9 = 1

PANEL THICKNESS RANGE:
.8mm TO 2.0mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Tin

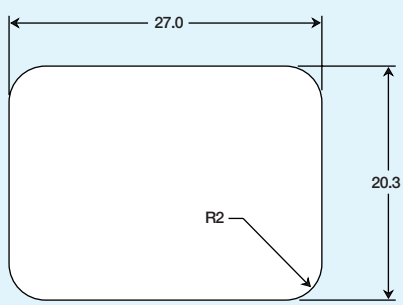
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C

15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
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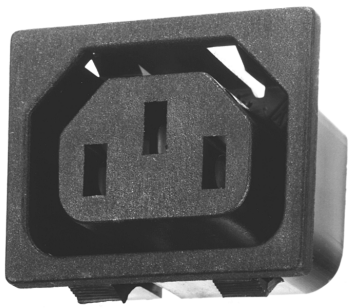
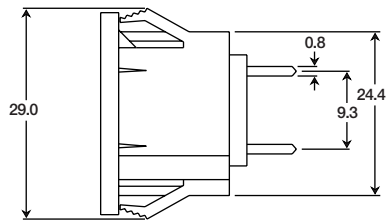
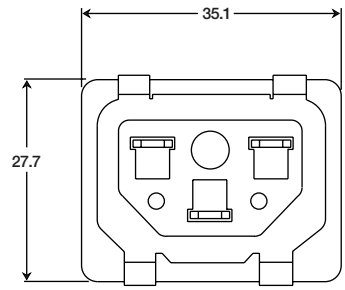
# Universal IEC

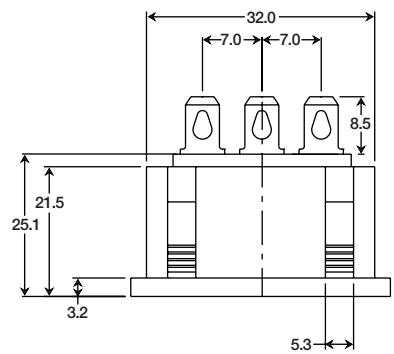
PD-43R03





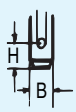

Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for UL and CSA, 10 Amp., 250 VAC for VDE, 70°C operating temperature.




## EXAMPLE & ORDERING CODE

PD - 43R03 - [1] [1]

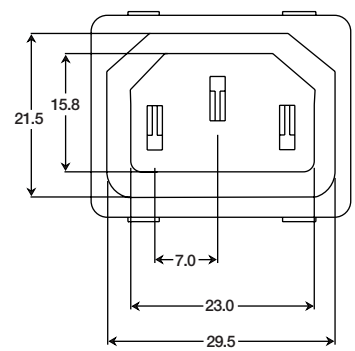
QUICK CONNECT TERMINAL SIZE:




| B | H | D | |
|---|---|---|---|
| .187 (4.8) | .19 (4.8) | .12 x .10 (3.1 x 2.6) | = 1 |
| .250 (6.3) | .16 (4) | .06 (1.65) | = 2 |

PANEL THICKNESS RANGE:

.8mm TO 2.0mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Tin

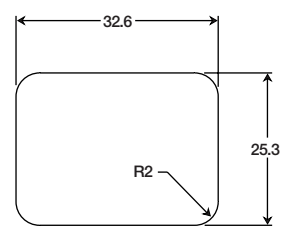
**ELECTRICAL SPECIFICATIONS:**

VDE CSA SEMKO DEMKO 10A 250 VAC 70°C

UL CSA 15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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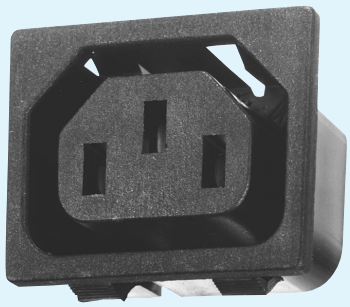
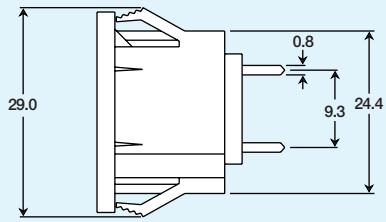
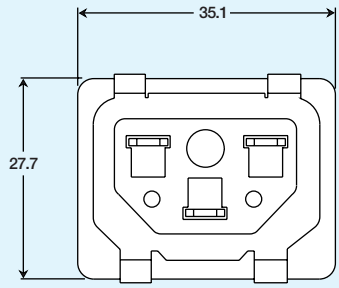
# Universal IEC

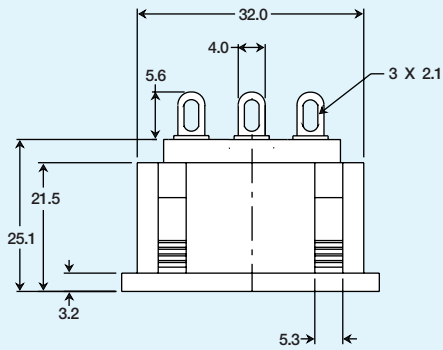
PD-43R04






Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for UL and CSA, 10 Amp., 250 VAC for VDE, 70°C operating temperature.

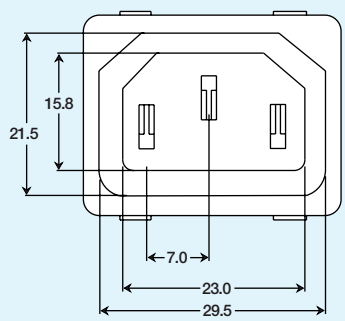



## EXAMPLE & ORDERING CODE

PD - 43R04 - [1] [1]

SOLDER TERMINAL SIZE:
2.1mm X 3mm = 1

PANEL THICKNESS RANGE:
.8mm TO 2.0mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

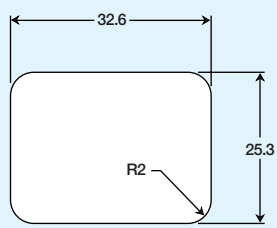
VDE CSA CSN CSD 10A 250 VAC 70°C

UL CSA 15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**




PANEL CUTOUT

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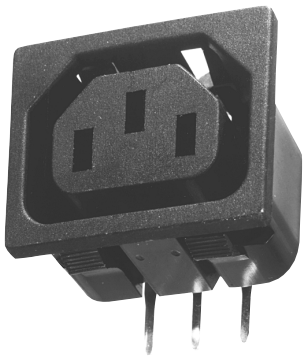
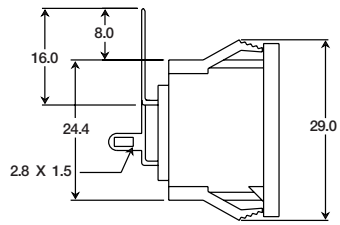
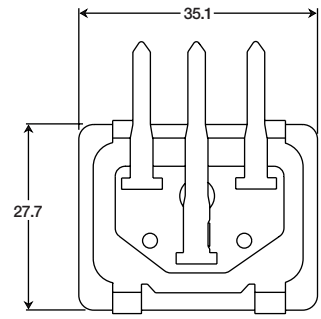
# Universal IEC

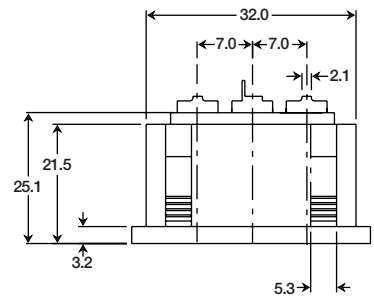
PD-43R09






Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for and , 10 Amp., 250 VAC for , 70°C operating temperature.

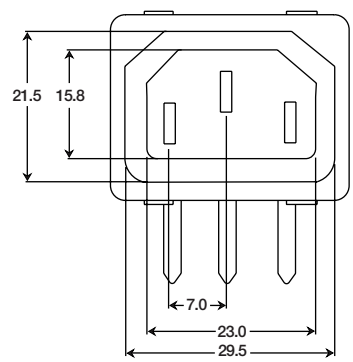



## EXAMPLE & ORDERING CODE

PD - 43R09 - 1 1

MECHANICAL MOUNTING CONFIGURATION:
SNAP-IN = 1

PANEL THICKNESS RANGE:
.8mm TO 2.0mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-2

**Contacts:**
Material: Bronze
Plating: Tin

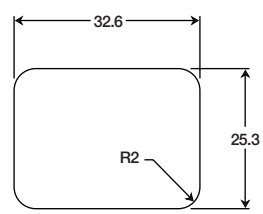
**ELECTRICAL SPECIFICATIONS:**

10A 250 VAC 70°C

15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute




PANEL CUTOUT

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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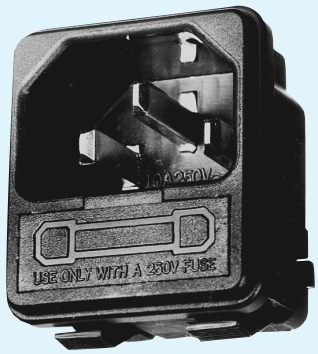
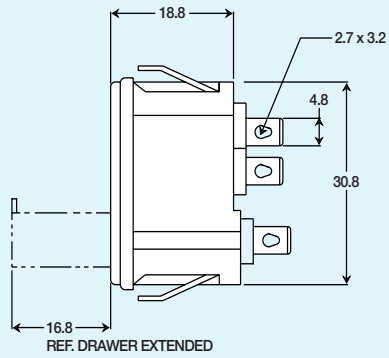
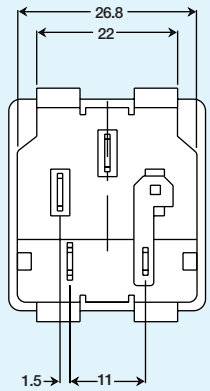
# Universal IEC

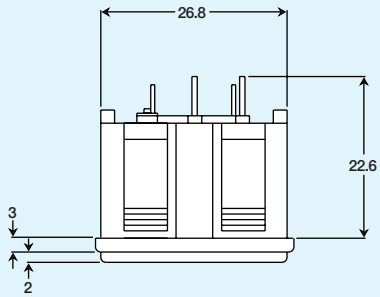
PD-42R32




Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for UL and CSA, 10 Amp., 250 VAC for VDE, 70°C operating temperature.

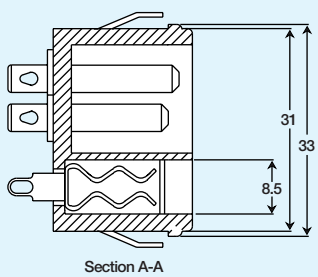


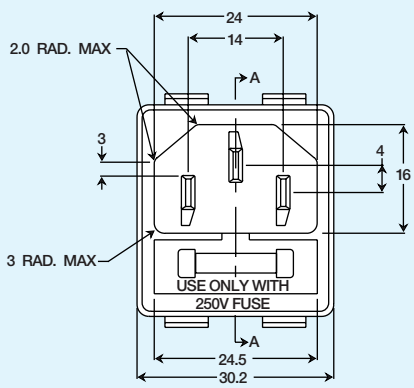

# EXAMPLE & ORDERING CODE

PD - 42R32 - [1] [1]

TERMINAL TYPE:
4.8mm QUICK CONNECT = 1

PANEL THICKNESS RANGE:
1.0mm TO 3.5mm = 1




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

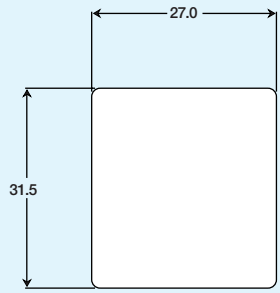
VDE 10A 250 VAC 70°C

UL CSA 15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**




PANEL CUT-OUT

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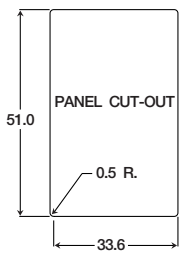
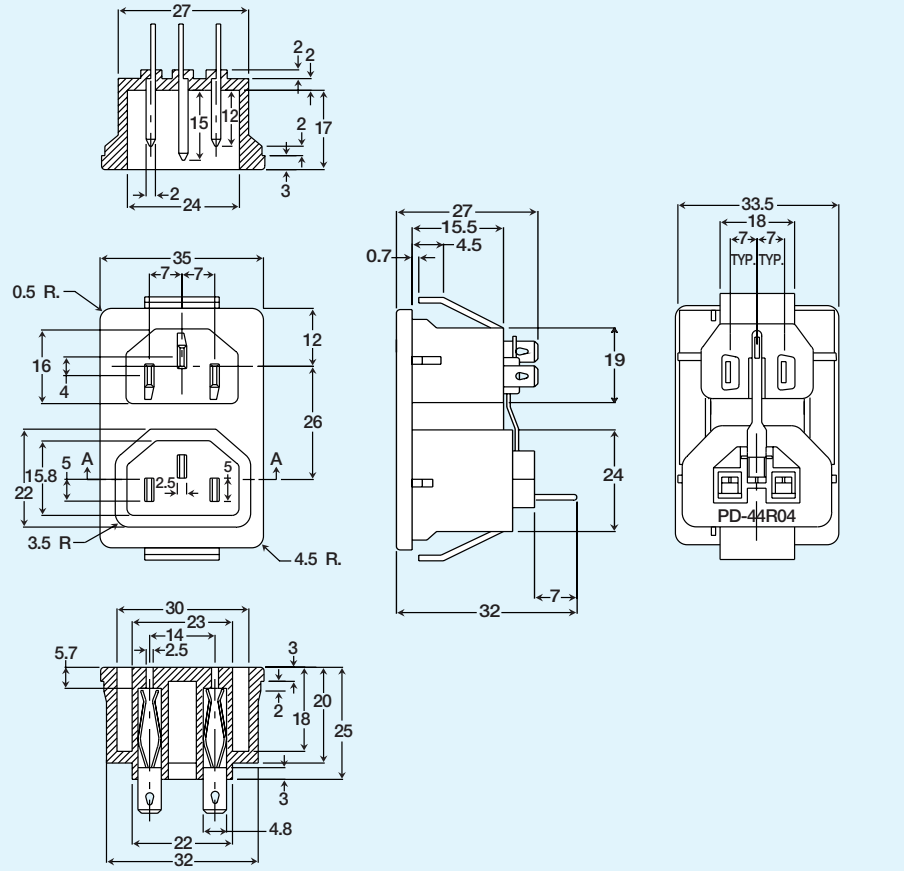
Power Dynamics, Inc.

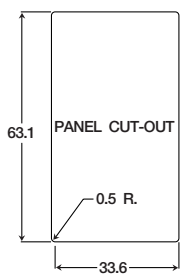
# Universal IEC

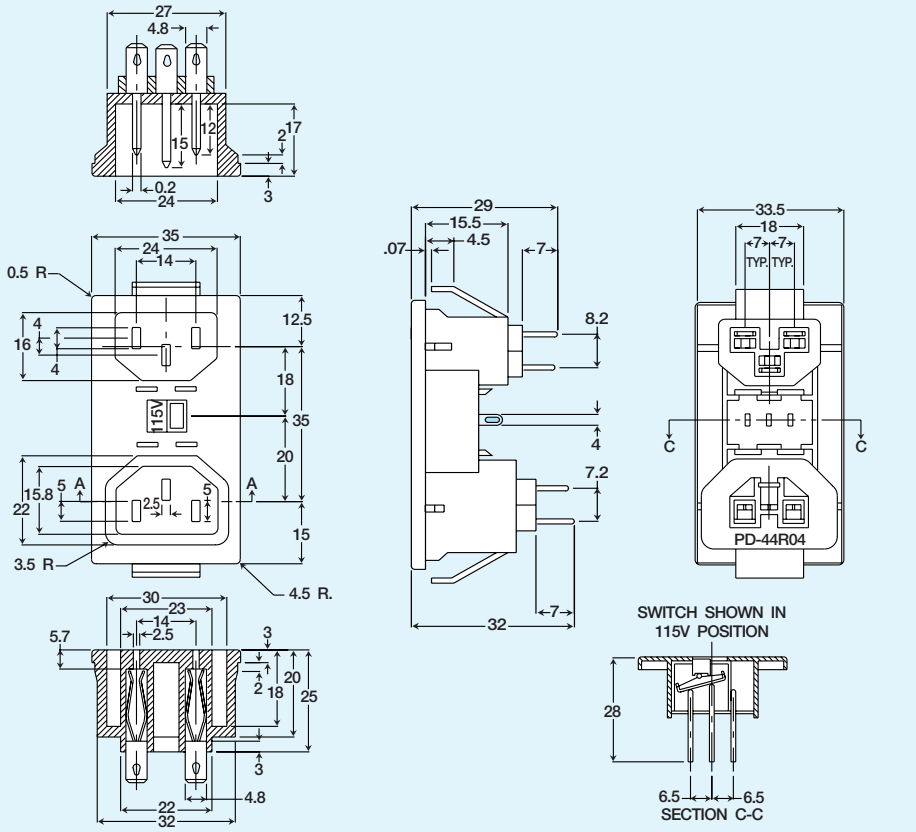
## PD-44R04-1




## PD-44R04-2




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

PD - 44R04 - [2] [1] - [1]

**MECHANICAL MOUNTING CONFIGURATION:**

SNAP-IN = 1

SNAP-IN WITH VOLTAGE SELECTOR 115V AND 230VAC = 2

SNAP-IN WITH VOLTAGE SELECTOR 110V AND 220VAC = 3

**QUICK CONNECT TERMINAL SIZE:**

4.8mm = 1

**PANEL THICKNESS RANGE:**

0.8mm TO 2.5mm = 1

Universal snap-in tabs allow for insertion into a wide variety of panel thicknesses. Conforms with all international safety requirements. Rated 15 Amp., 250 VAC for UL and CSA, 10 Amp., 250 VAC for VDE, 70°C operating temperature.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Nylon 66
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

VDE 10A 250 VAC 70°C

UL CSA 15A 250 VAC 70°C

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice.
**See pages 129-140 for mating power cords.**

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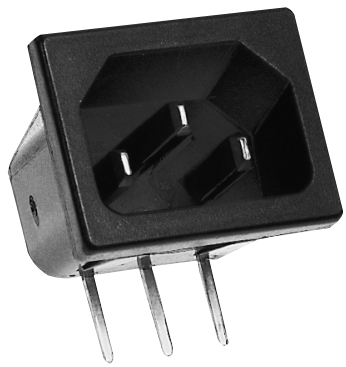
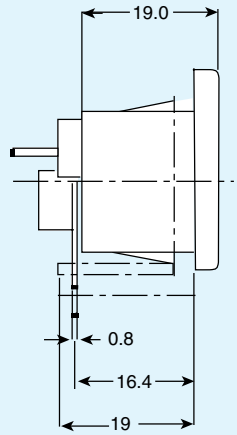
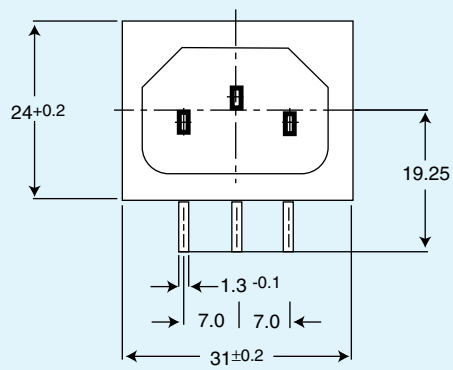
## PRINTED CIRCUIT
## 42R05-3

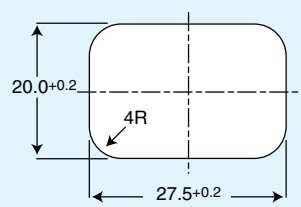


General purpose power cord connector with printed circuit terminals. Conforms with all international safety requirements. Rated 15 Amp, 120 VAC, 70°C to 155°C operating temperature. Available 15 Amp. for UL and CSA.




PANEL CUT-OUT




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R05- 3 1 1 3 - 150

MECHANICAL MOUNTING CONFIGURATION
SNAP-IN WITHOUT MOUNTING FLANGE =3

COLOR
Other colors available on request.
BLACK =1
GRAY =2

TERMINALS
Right Angle PC terminals, line, neutral and ground.
10.0 mm TERMINALS FACING DOWN =1
10.0 mm TERMINALS FACING UP =2
5.0 mm TERMINALS FACING DOWN =4

ELECTRICAL CIRCUIT CONFIGURATION
10A 15A 250V 70°C 2+Ground = 3
10A 15A 250V 120°C 2+Ground = 7
Additional solder terminal on ground for hard wiring.

PANEL THICKNESS (SNAP-INS ONLY)
.06 (1.5mm) =150
.08 (2.0mm) =200
.10 (2.5mm) =250
Additional panel thickness available on request.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Bronze
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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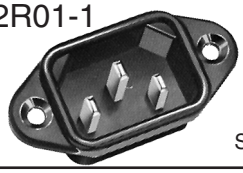
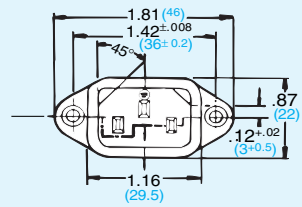
FACE DIMENSIONS

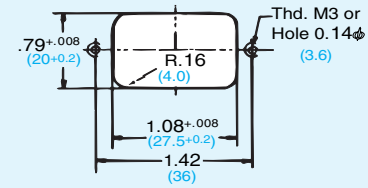
PANEL CUT-OUTS

## SIDE FLANGE
(36mm HOLE SPACING)
42R01-1



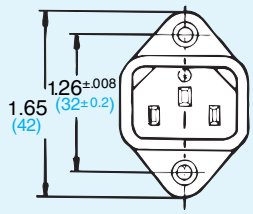
SCREW TERMINAL

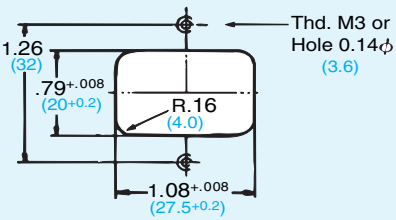



## CROSS FLANGE
42R01-2

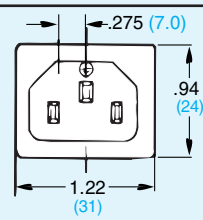
SCREW TERMINAL

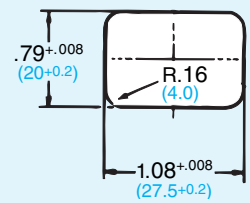



## SNAP-IN
42R01-3

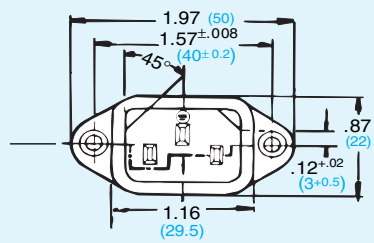
SCREW TERMINAL

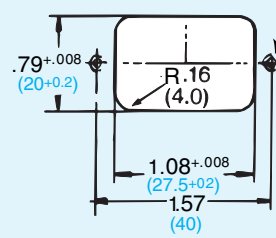



## SIDE FLANGE (40mm HOLE SPACING)
42R01-4
W/O COUNTERSUNK MOUNTING HOLES
42R01-8

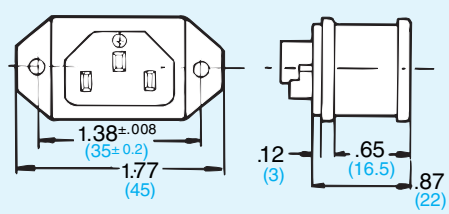
SCREW TERMINAL

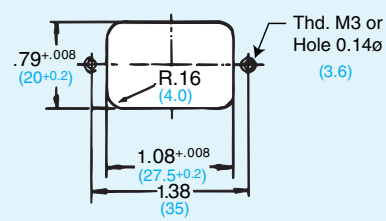



## BOTTOM FLANGE
42R01-5

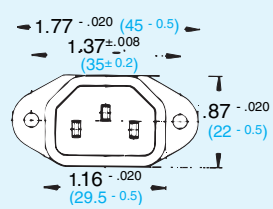
SCREW TERMINAL

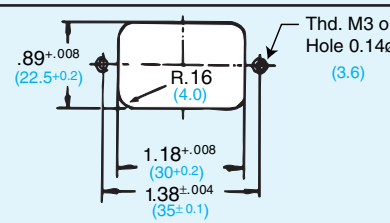



## BOTTOM FLANGE
42R01-6

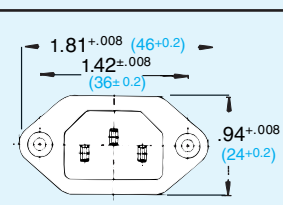
SCREW TERMINAL

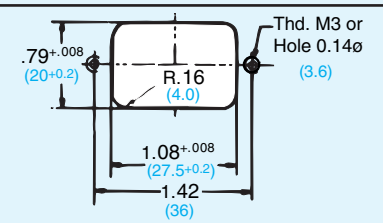



## SIDE FLANGE
42R01-7

SCREW TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R01- 3 1 2 1 - 200

**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE (36mm) | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |
| SIDE FLANGE | | =4 |
| BOTTOM FLANGE | | =5 |
| BOTTOM FLANGE | | =6 |
| SIDE FLANGE | | =7 |
| SIDE FLANGE | | =8 |

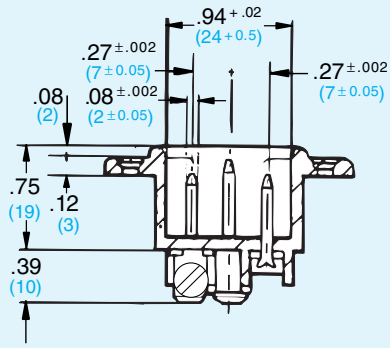
**COLOR**
Other colors available on request.
BLACK =1
GRAY =2

**SCREW TERMINALS**
M3 x 6.0mm =2

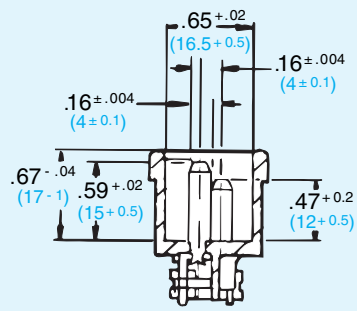
**ELECTRICAL CIRCUIT CONFIGURATION**
10A 15A 250V 120°C 2+Ground =1
10A 15A 250V 70°C 2+Ground =2
10A 15A 250V 70°C 2 Pole =4

**PANELTHICKNESS (SNAP-INS ONLY)**
.06 (1.5mm) =150
.08 (2.0mm) =200
Additional panel thickness available on request. .10 (2.5mm) =250

CROSS SECTION




SIDE VIEW CROSS SECTION




General purpose power cord connector. Screw terminal configuration. Rated 15 Amp., 250 VAC, 70°C to 120°C operating temperature. Designed for versatile mounting. Available in screw or snap-in panel mount and eight mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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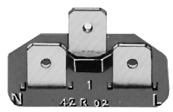
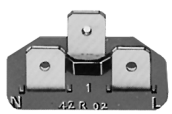
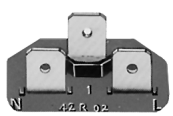
## SIDE FLANGE (36mm HOLE SPACING)
42R02-1


QUICK CONNECT TERMINAL

## CROSS FLANGE
42R02-2


QUICK CONNECT TERMINAL

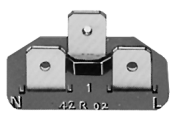
## SNAP-IN
42R02-3


QUICK CONNECT TERMINAL

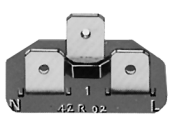
## SIDE FLANGE (40mm HOLE SPACING)
42R02-4

W/O COUNTERSUNK MOUNTING HOLES

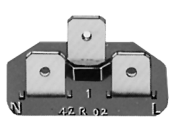
42R02-8


QUICK CONNECT TERMINAL

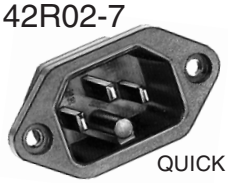
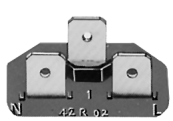
## BOTTOM FLANGE
42R02-5


QUICK CONNECT TERMINAL

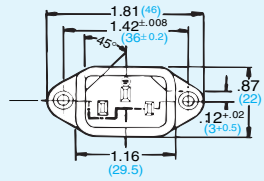
## BOTTOM FLANGE
42R02-6

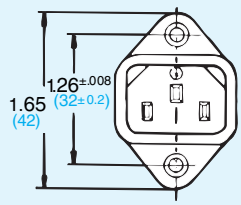

QUICK CONNECT TERMINAL

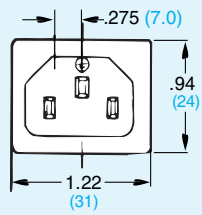
## SIDE FLANGE
42R02-7

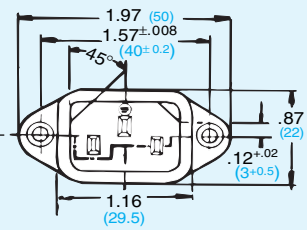


QUICK CONNECT TERMINAL

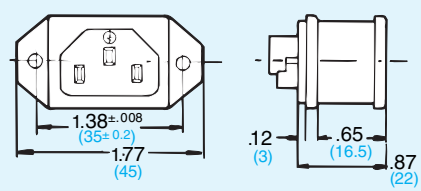
FACE DIMENSIONS

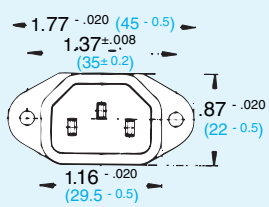


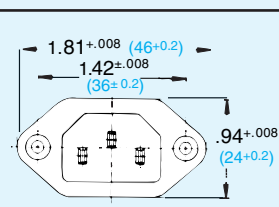



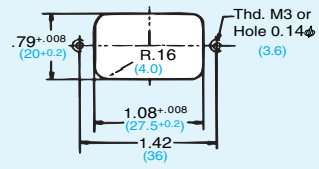



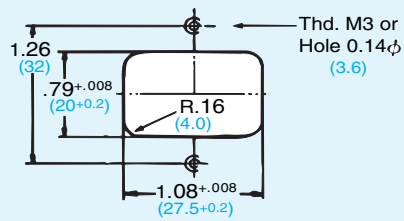



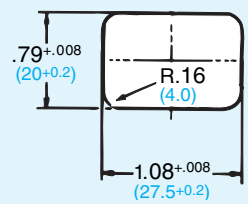



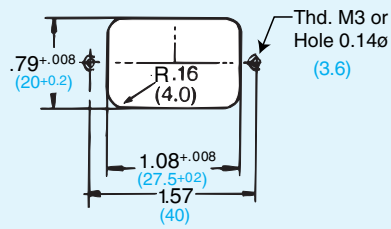



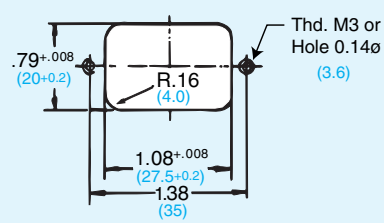

PANEL CUT-OUTS

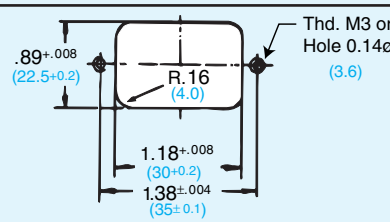


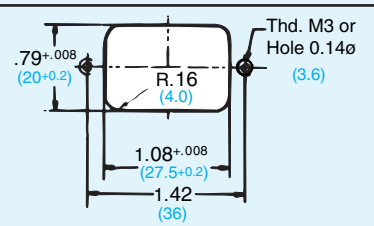




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R02- [3] [2] [2] [1] - [200]

**MECHANICAL MOUNTING CONFIGURATION**

| | |
|---|---|
| SIDE FLANGE (36mm) | =1 |
| CROSS FLANGE | =2 |
| SNAP-IN | =3 |
| SIDE FLANGE | =4 |
| BOTTOM FLANGE | =5 |
| BOTTOM FLANGE | =6 |
| SIDE FLANGE | =7 |
| SIDE FLANGE | =8 |

**TERMINAL DIMENSIONS**

| B | H | |
|---|---|---|
| .187 (4.8) | .16 (4) | =1 |
| .250 (6.3) | .16 (4) | =2 |

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**ELECTRICAL CIRCUIT CONFIGURATION**

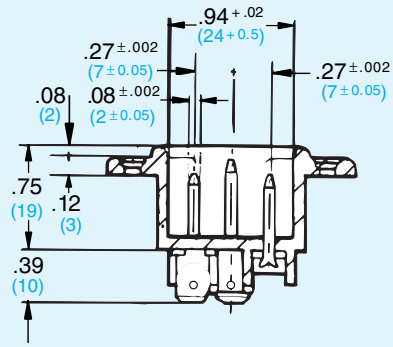
10A 15A 250V 120°C 2+Ground =1
10A 15A 250V 70°C 2+Ground =2
10A 15A 250V 70°C 2 Pole =4

**PANELTHICKNESS (SNAP-INS ONLY)**

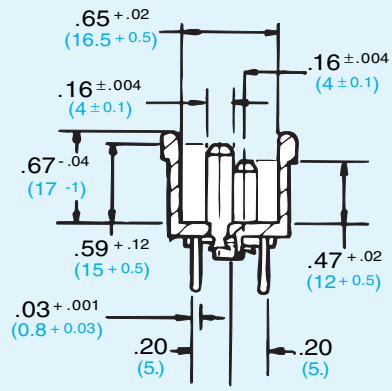
.06 (1.5mm) =150
.08 (2.0mm) =200
.10 (2.5mm) =250

Additional panel thickness available on request.

CROSS SECTION




SIDE VIEW CROSS SECTION




General purpose power cord connector. Quick connect terminal configuration. Rated 15 Amp., 250 VAC, 70°C to 120°C operating temperature. Designed for versatile mounting. Available in screw or snap-in panel mount and eight mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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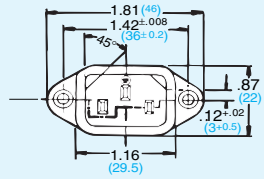
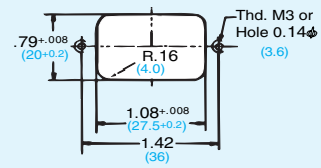
## SIDE FLANGE (36mm HOLE SPACING)
42R03-1

SOLDER TERMINAL

FACE DIMENSIONS

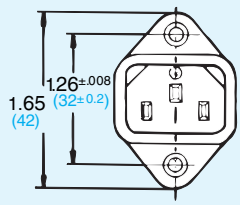


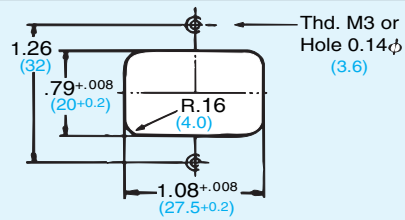

PANEL CUT-OUTS




## CROSS FLANGE
42R03-2

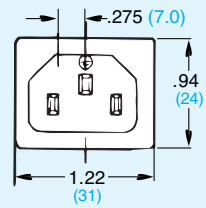
SOLDER TERMINAL

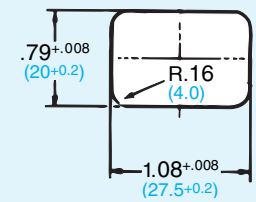



## SNAP-IN
42R03-3

SOLDER TERMINAL



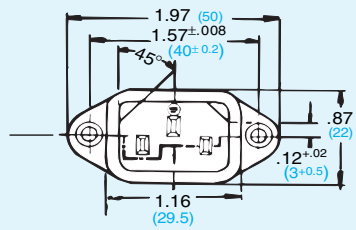



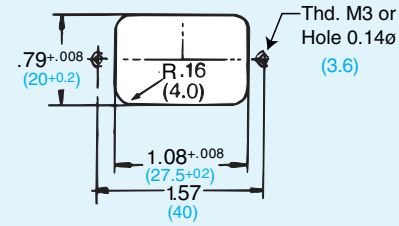

## SIDE FLANGE (40mm HOLE SPACING)
42R03-4

W/O COUNTERSUNK MOUNTING HOLES

42R03-8

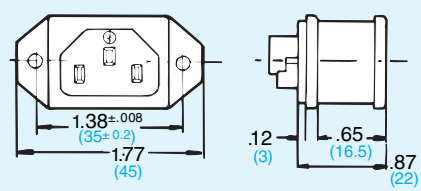
SOLDER TERMINAL

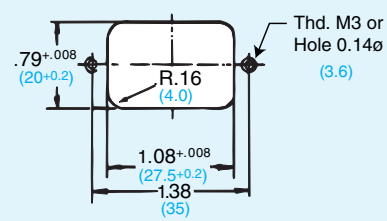



## BOTTOM FLANGE
42R03-5

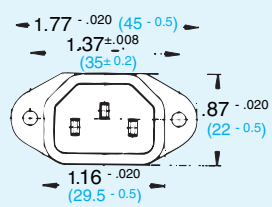
SOLDER TERMINAL

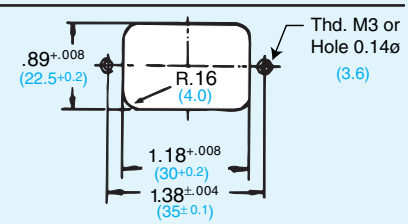


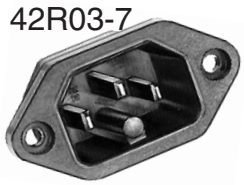

## BOTTOM FLANGE
42R03-6

SOLDER TERMINAL

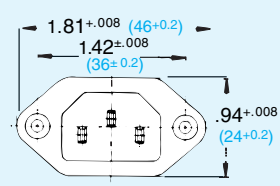


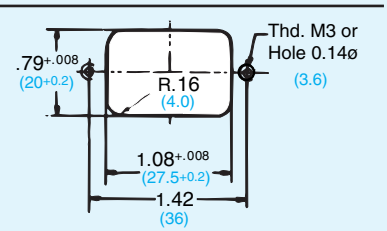




## SIDE FLANGE
42R03-7



SOLDER TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

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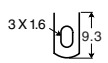
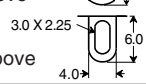
# EXAMPLE & ORDERING CODE

42R03- 3 | 1 | 2 | 1 - 200

**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE (36mm) | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |
| SIDE FLANGE | | =4 |
| BOTTOM FLANGE | | =5 |
| BOTTOM FLANGE | | =6 |
| SIDE FLANGE | | =7 |
| SIDE FLANGE | | =8 |

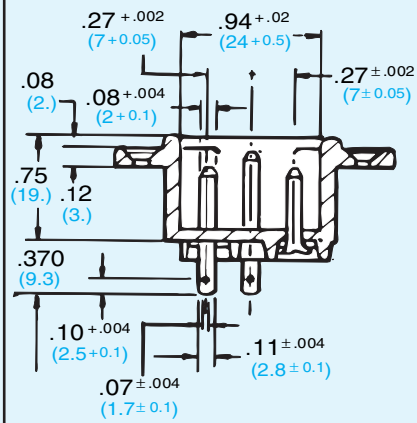
**COLOR**
Other colors available on request.
BLACK =1
GRAY =2

**TERMINALS**
Option 1, 2, 5, 6, 7, 8 above  =2
Standard terminal for mechanical mounting option 3 and 4 above  =5

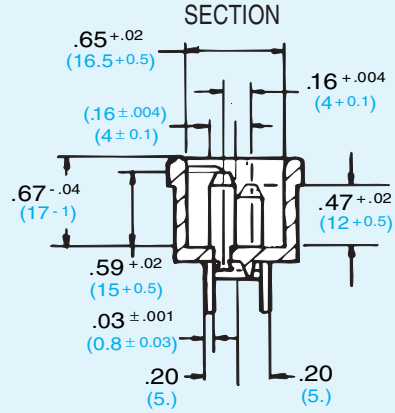
**ELECTRICAL CIRCUIT CONFIGURATION**
10A 15A 250V 120°C 2+Ground =1
10A 15A 250V 70°C 2+Ground =2
10A 15A 250V 70°C 2 Pole =4

**PANELTHICKNESS (SNAP-INS ONLY)**
.06 (1.5mm) =150
.08 (2.0mm) =200
Additional panel thickness available on request. .10 (2.5mm) =250

CROSS SECTION




SIDE VIEW CROSS SECTION




General purpose power cord connector. Solder lug terminal configuration. Rated 15 Amp., 250 VAC, 70°C to 120°C operating temperature. Designed for versatile mounting. Available in screw or snap-in panel mount and eight mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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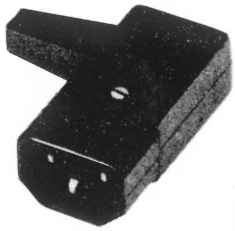
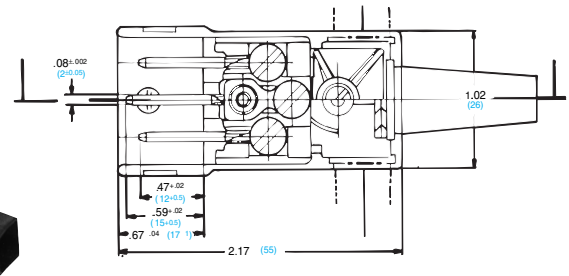
42R04
RIGHT



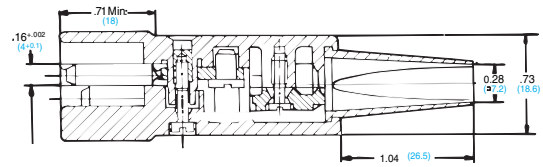
42R04
LEFT

42R04
STRAIGHT

CROSS SECTION




SIDE VIEW CROSS SECTION




# EXAMPLE & ORDERING CODE

42R04- 1 1 1 1

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 250V 70°C =1

10A 250V 120°C =2

**ANGLE OF CONNECTION**

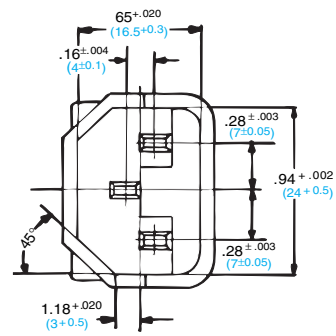
LEFT =1
RIGHT =2
STRAIGHT =3

**COLOR**
Other colors available on request.

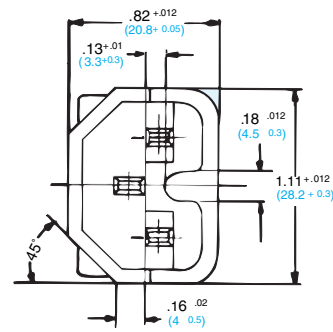
BLACK =1
GRAY =2

**MALE PLUG** =1

70° C




120° C




Male power cord plug rated 10 amp., 250 VAC. Contains integral cable clamp strain relief & internal screw type connections. Three mounting angle configurations. Maximum wire gauge is 16 AWG stranded.

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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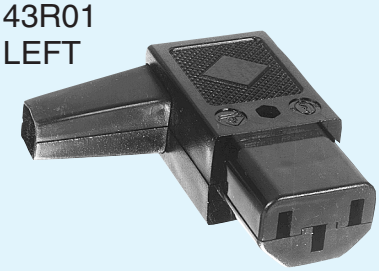
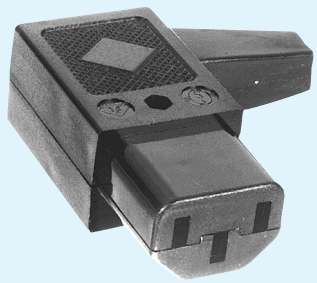
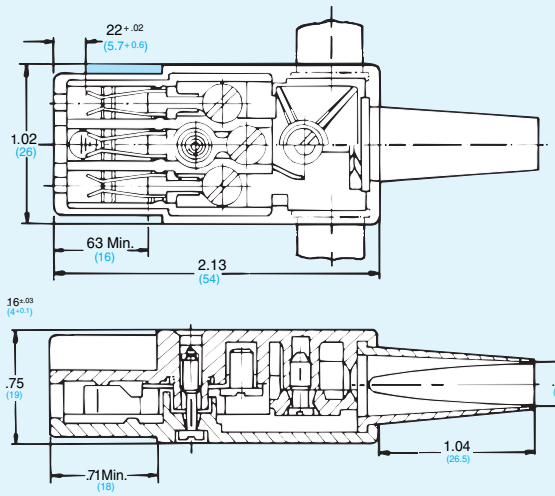
43R01
LEFT



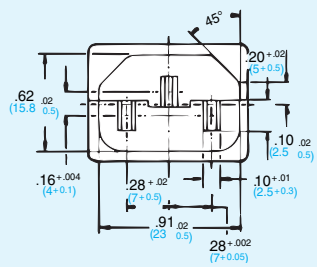
43R01
RIGHT



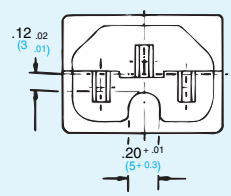
43R01
STRAIGHT




10 AMP 65°C




10 AMP 120°C




# EXAMPLE & ORDERING CODE

43R01- 1 1 1 1

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 250V 70°C A DIN 49 457 =1

10A 250V 120°C D DIN 49 458 =2

**ANGLE OF CONNECTION**

LEFT =1
RIGHT =2
STRAIGHT =3

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**INSERT CLIP**

FEMALE PLUG =1

Female power cord plug with 10 Amp. rating from 70°C to 120°C operating temperature. Integral cable clamp strain relief & internal screw type connection. Three mounting angle configurations. Maximum wire gauge is 16 AWG stranded.

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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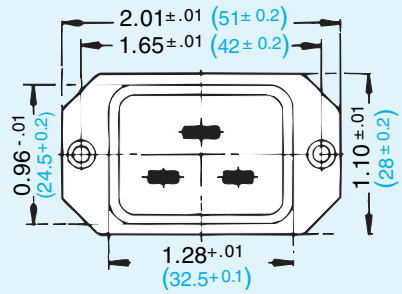
FACE DIMENSIONS

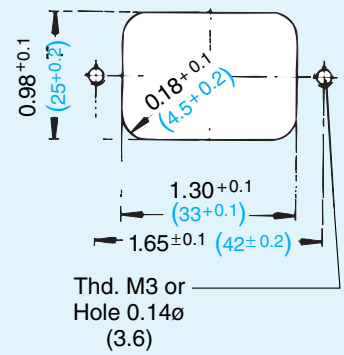
PANEL CUT-OUTS

## SIDE FLANGE
## 42R06-1

SCREW TERMINAL

**16Amp/20Amp, 250 VAC**

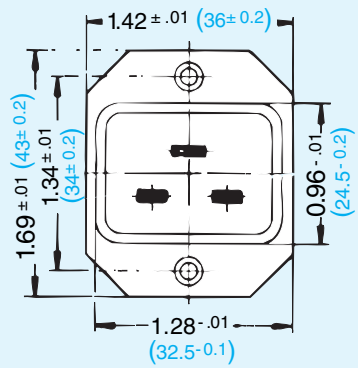


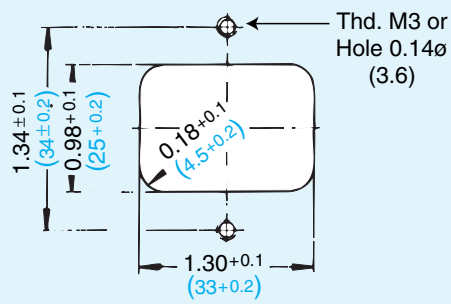




## CROSS FLANGE
## 42R06-2

SCREW TERMINAL

**16Amp/20Amp, 250 VAC**



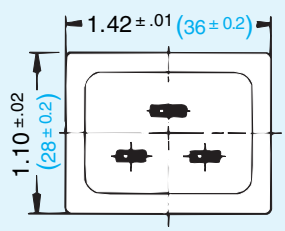



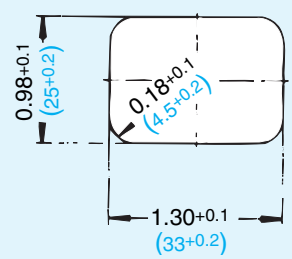

## SNAP-IN
## 42R06-3

SCREW TERMINAL

**16Amp/20Amp, 250 VAC**

155°C version shown




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R06- 3 1 1 1 - 150

**MECHANICAL MOUNTING CONFIGURATION**

| | |
|---|---|
| SIDE FLANGE | =1 |
| CROSS FLANGE | =2 |
| SNAP-IN | =3 |

**COLOR**
Other colors available on request.

| | |
|---|---|
| BLACK | =1 |
| GRAY | =2 |

**SCREW TERMINALS**

| | |
|---|---|
| M3 x 6.0mm | =1 |

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 16A | 20A 250V 70°C 2+Ground | =1 |
| 16A | 20A 250V 155°C 2+Ground | =2 |
| 16A | 20A 250V 70°C 2 Pole | =3 |

**PANEL THICKNESS (SNAP-INS ONLY)**

| | |
|---|---|
| .06 (1.5mm) | =150 |
| .08 (2.0mm) | =200 |
| .10 (2.5mm) | =250 |

Additional panel thickness available on request.

Power connectors rated 16 Amp., 250 VAC, 70°C to 155°C operating temperature. Available 20A for UL and CSA. Units are available with screw terminal configurations. Designed for versatile mounting, 42R06 is available in screw or snap-in panel mount and three mechanical mounting configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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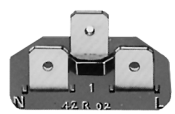
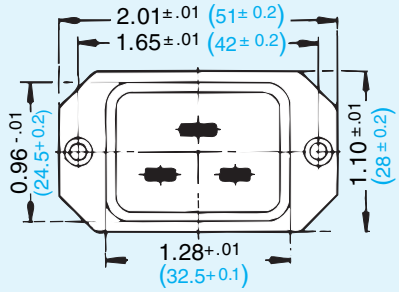
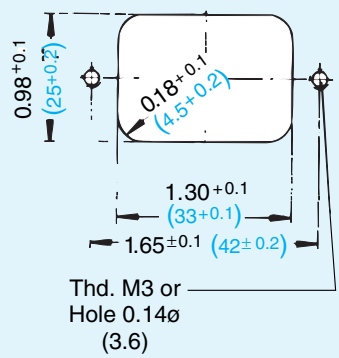
FACE DIMENSIONS

PANEL CUT-OUTS

## SIDE FLANGE
## 42R07-1



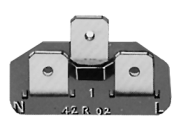


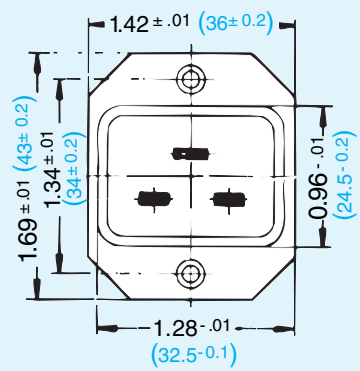



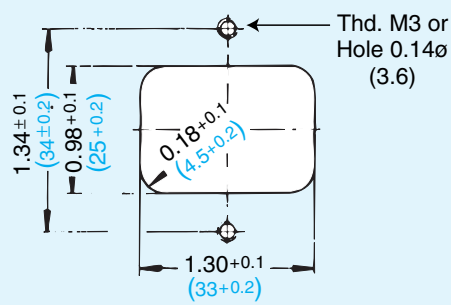

QUICK CONNECT TERMINAL

**16Amp/20Amp, 250 VAC**

## CROSS FLANGE
## 42R07-2



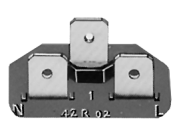


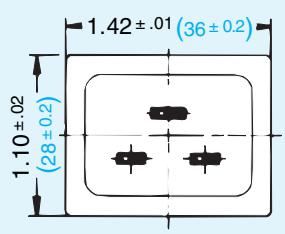



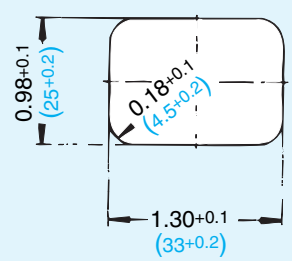

QUICK CONNECT TERMINAL

**16Amp/20Amp, 250 VAC**

## SNAP-IN
## 42R07-3






QUICK CONNECT TERMINAL

**16Amp/20Amp, 250 VAC**

155°C version shown

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R07- 3 1 2 1 - 150

**MECHANICAL MOUNTING CONFIGURATION**

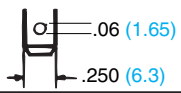
| | |
|---|---|
| SIDE FLANGE | =1 |
| CROSS FLANGE | =2 |
| SNAP-IN | =3 |

**COLOR**
Other colors available on request.

| | |
|---|---|
| BLACK | =1 |
| GRAY | =2 |

**QUICK CONNECT TERMINAL WIDTH**

20A 250V 65°C 2 Pole




=2

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 16A | 20A 250V 70°C 2+Ground | =1 |
| 16A | 20A 250V 155°C 2+Ground | =2 |
| 16A | 20A 250V 70°C 2 Pole | =3 |

**PANEL THICKNESS (SNAP-INS ONLY)**

| | |
|---|---|
| .06 (1.5mm) | =150 |
| .08 (2.0mm) | =200 |
| .10 (2.5mm) | =250 |

Additional panel thickness available on request.

Power connectors rated 16 Amp., 250 VAC, 70°C to 155°C operating temperature. Available 20A for UL and CSA. Units are available with quick connect terminal configurations. Designed for versatile mounting, 42R07 is available in screw or snap-in panel mount and three mechanical mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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Power Dynamics, Inc.

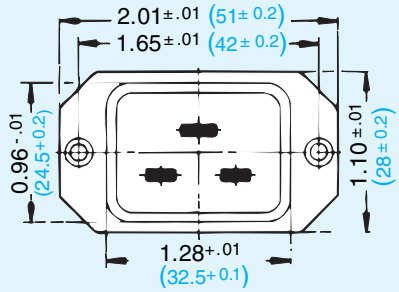
FACE DIMENSIONS

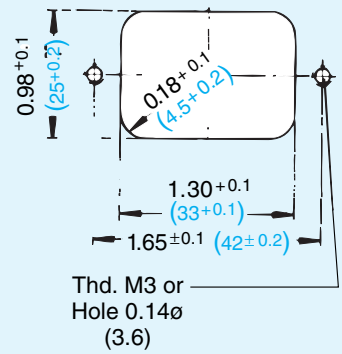
PANEL CUT-OUTS

## SIDE FLANGE
## 42R08-1

SOLDER TERMINAL

**16Amp/20Amp, 250 VAC**

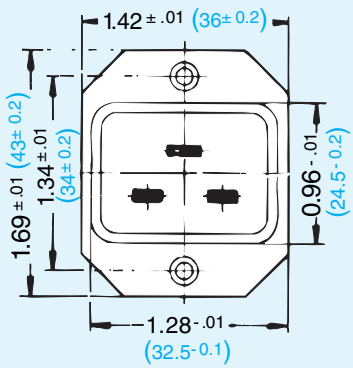


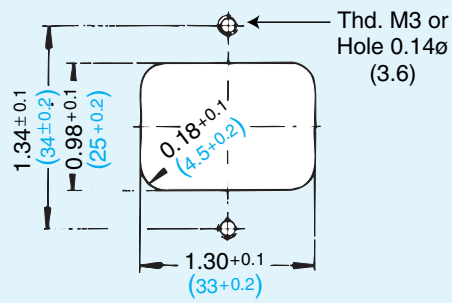




## CROSS FLANGE
## 42R08-2

SOLDER TERMINAL

**16Amp/20Amp, 250 VAC**



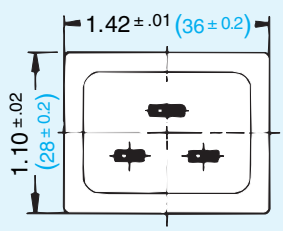



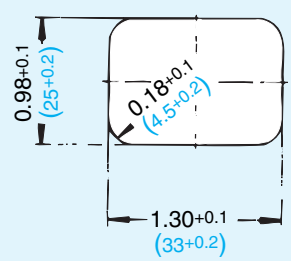

## SNAP-IN
## 42R08-3

SOLDER TERMINAL

**16Amp/20Amp, 250 VAC**

155°C version shown




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R08- 3 1 2 1 - 150

**MECHANICAL MOUNTING CONFIGURATION**

| | |
|---|---|
| SIDE FLANGE | =1 |
| CROSS FLANGE | =2 |
| SNAP-IN | =3 |

**COLOR**
Other colors available on request.

| | |
|---|---|
| BLACK | =1 |
| GRAY | =2 |

**SOLDER TERMINAL**

3 X 1.6 9.3 =2

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 16A | 20A 250V 70°C 2+Ground | =1 |
| 16A | 20A 250V 155°C 2+Ground | =2 |
| 16A | 20A 250V 70°C 2 Pole | =3 |

**PANEL THICKNESS (SNAP-INS ONLY)**

| | |
|---|---|
| .06 (1.5mm) | =150 |
| .08 (2.0mm) | =200 |
| .10 (2.5mm) | =250 |

Additional panel thickness available on request.

Power connectors rated 16 Amp., 250 VAC, 70°C to 155°C operating temperature. Available 20A for UL and CSA. Units are available with solder lug terminal configurations. Designed for versatile mounting, 42R08 is available in screw or snap-in panel mount and three mechanical mounting configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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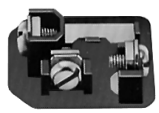
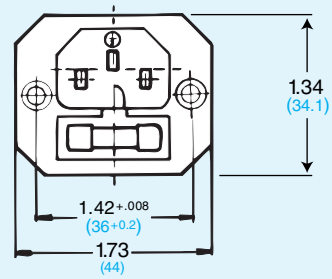
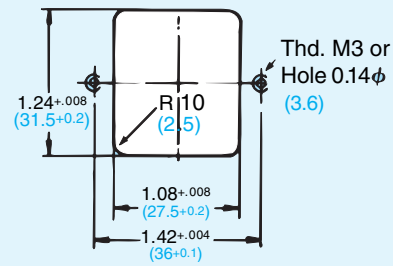
FACE DIMENSIONS PANEL CUT-OUTS

## SIDE FLANGE
## 42R31-1

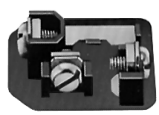


SCREW TERMINAL

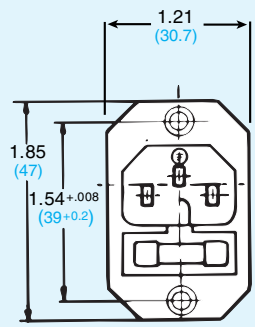


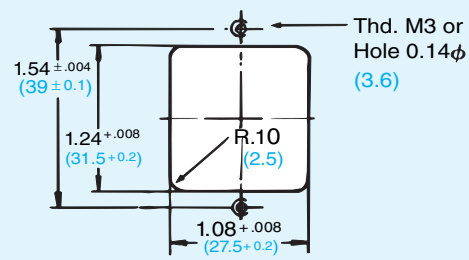




## CROSS FLANGE
## 42R31-2

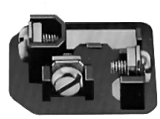


SCREW TERMINAL

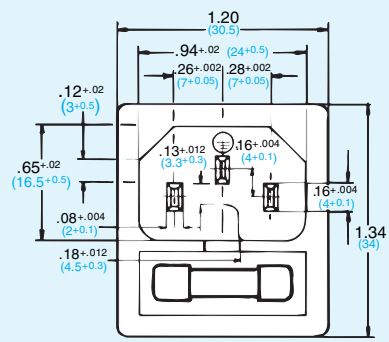


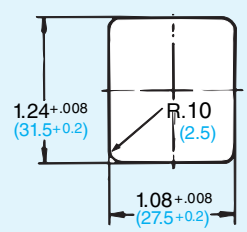




## SNAP-IN
## 42R31-3



SCREW TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R31 ACCEPTS EUROPEAN 5x20mm FUSE ONLY

**42R31 - 3 1 1 1 - 200**

**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**SCREW TERMINALS**

M3 x 6.0mm =1

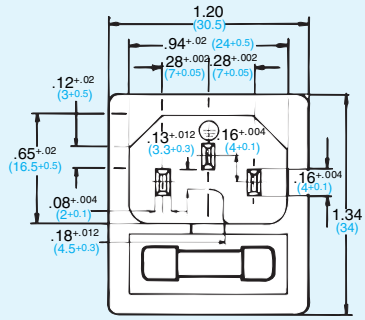
**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| | 10A 250V 70°C 2+Ground | =1 |
| | 10A 250V 120°C 2+Ground | =2 |
| | 10A 250V 70°C 2 Pole | =4 |

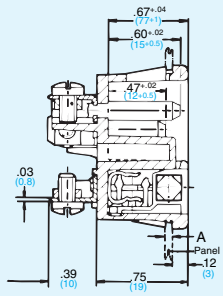
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150
.08 (2.0mm) =200
.10 (2.5mm) =250

CROSS SECTION




SIDE VIEW CROSS SECTION




Combination single fuse holder/power cord connector for domestic & international markets. Fuse holder is touch proof in accordance with international safety requirements. Accommodates one international 5 x 20mm fuse with space for a spare fuse. Screw terminal connections. Rated 10 Amp., 250 VAC, 70°C to 120°C operating temperature. Fuse connections are externally accessible and isolated from power connections. Screw or snap-in mount and three mounting configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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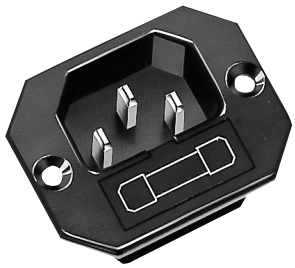
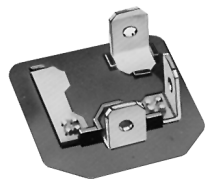
PDI® Power Dynamics, Inc.

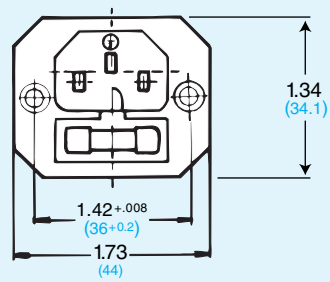
FACE DIMENSIONS PANEL CUT-OUTS

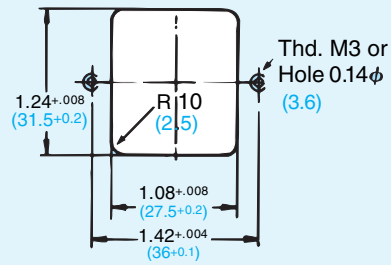
## SIDE FLANGE
## 42R32-1





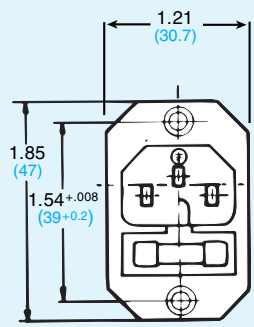
QUICK CONNECT TERMINAL

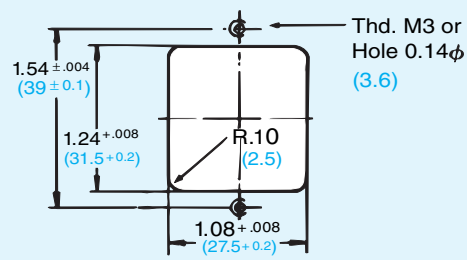


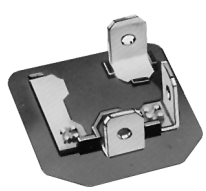

## CROSS FLANGE
## 42R32-2

QUICK CONNECT TERMINAL

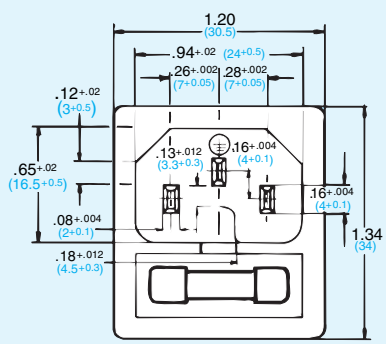


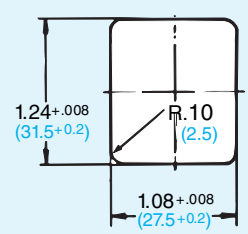




## SNAP-IN
## 42R32-3



QUICK CONNECT TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R32 ACCEPTS EUROPEAN 5x20mm FUSE ONLY

42R32- [3] [1] [2] [1] - [200]

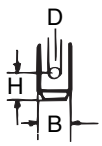
**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**QUICK CONNECT TERMINAL WIDTH**



| B | H | D | |
|---|---|---|---|
| .187 (4.8) | .16 (4) | .06 (1.65) | = 1 |
| .250 (6.3) | .16 (4) | .06 (1.65) | = 2 |

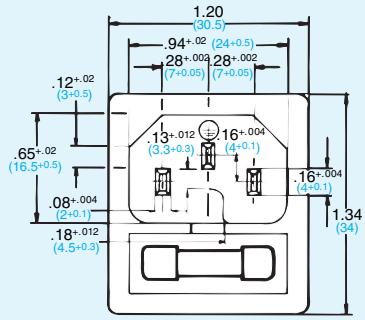
**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 10A 250V 70°C 2+Ground | | = 1 |
| 10A 250V 120°C 2+Ground | | = 2 |
| 10A 250V 70°C 2 Pole | | = 4 |

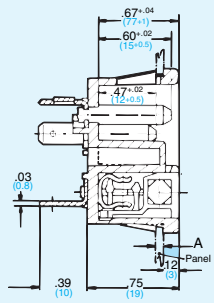
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150
.08 (2.0mm) =200
Additional panel thickness available on request. .10 (2.5mm) =250

CROSS SECTION




SIDE VIEW CROSS SECTION




Combination single fuse holder/power cord connector for domestic & international markets. Fuse holder is touch proof in accordance with international safety requirements. Accommodates one international 5 x 20mm fuse with space for a spare fuse. Quick connect terminal connections. Rated 10 Amp., 250 VAC, 70°C to 120°C operating temperature. Fuse connections are externally accessible and isolated from power connections. Screw or snap-in mount and three mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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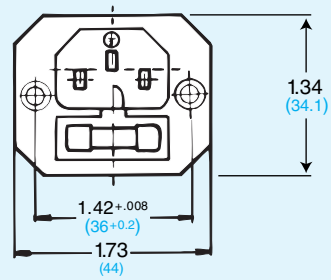
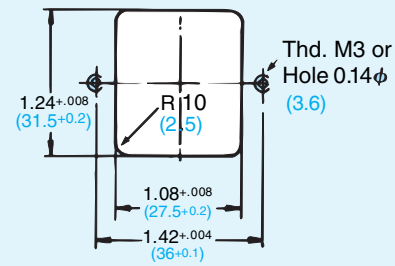
PDI® Power Dynamics, Inc.

FACE DIMENSIONS PANEL CUT-OUTS

## SIDE FLANGE
## 42R33-1

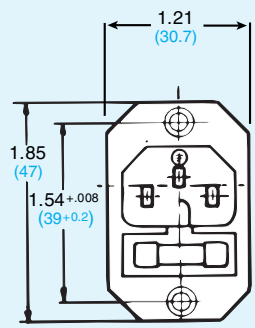
SOLDER TERMINAL

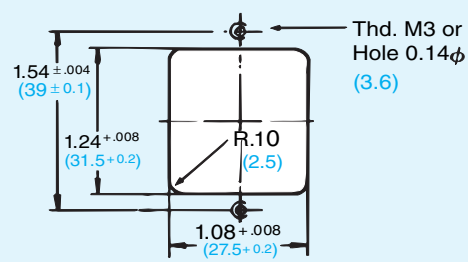



## CROSS FLANGE
## 42R33-2

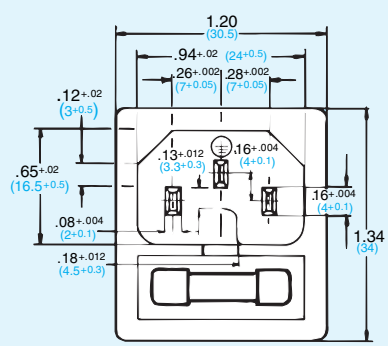
SOLDER TERMINAL

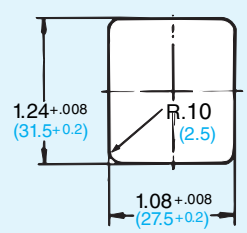



## SNAP-IN
## 42R33-3

SOLDER TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R33 ACCEPTS EUROPEAN 5x20mm FUSE ONLY

42R33- 3 1 2 1 - 200

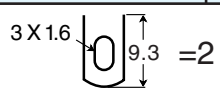
**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

| | |
|---|---|
| BLACK | =1 |
| GRAY | =2 |

**SOLDER TERMINAL LENGTH**



=2

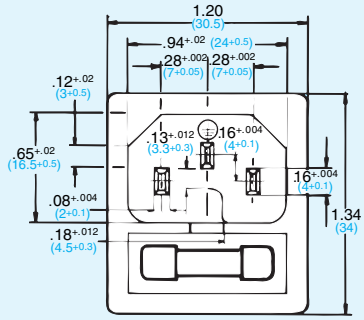
**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| | 10A 250V 70°C 2+Ground | =1 |
| | 10A 250V 120°C 2+Ground | =2 |
| | 10A 250V 70°C 2 Pole | =4 |

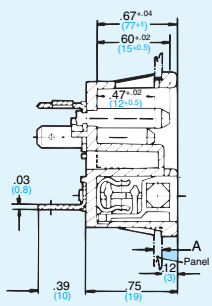
**PANEL THICKNESS (SNAP-INS ONLY)**

| | |
|---|---|
| .06 (1.5mm) | =150 |
| .08 (2.0mm) | =200 |
| .10 (2.5mm) | =250 |

CROSS SECTION




SIDE VIEW CROSS SECTION




Combination single fuse holder/power cord connector for domestic & international markets. Fuse holder is touch proof in accordance with international safety requirements. Accommodates one international 5 x 20mm fuse with space for a spare fuse. Solder lug terminal connections. Rated 10 Amp., 250 VAC, 70°C and 120°C operating temperature. Fuse connections are externally accessible and isolated from power connections. Screw or snap-in mount and three mounting configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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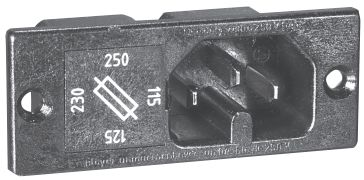
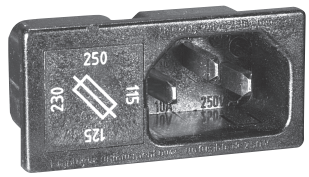
PDI® Power Dynamics, Inc.

# Combination Voltage Selector, Fuse Holder and IEC Connector

SCREW MOUNT
42R34-1

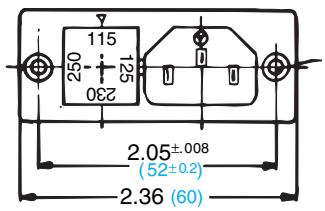



SNAP-IN
42R34-3

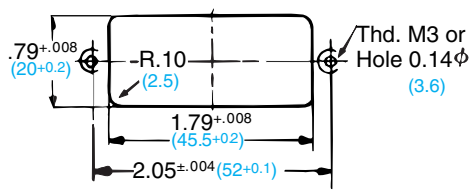



42R34 ACCEPTS EUROPEAN
5x20mm FUSE ONLY

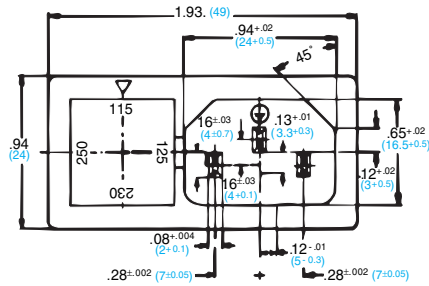
FACE DIMENSIONS SCREW MOUNT




PANEL CUT-OUT



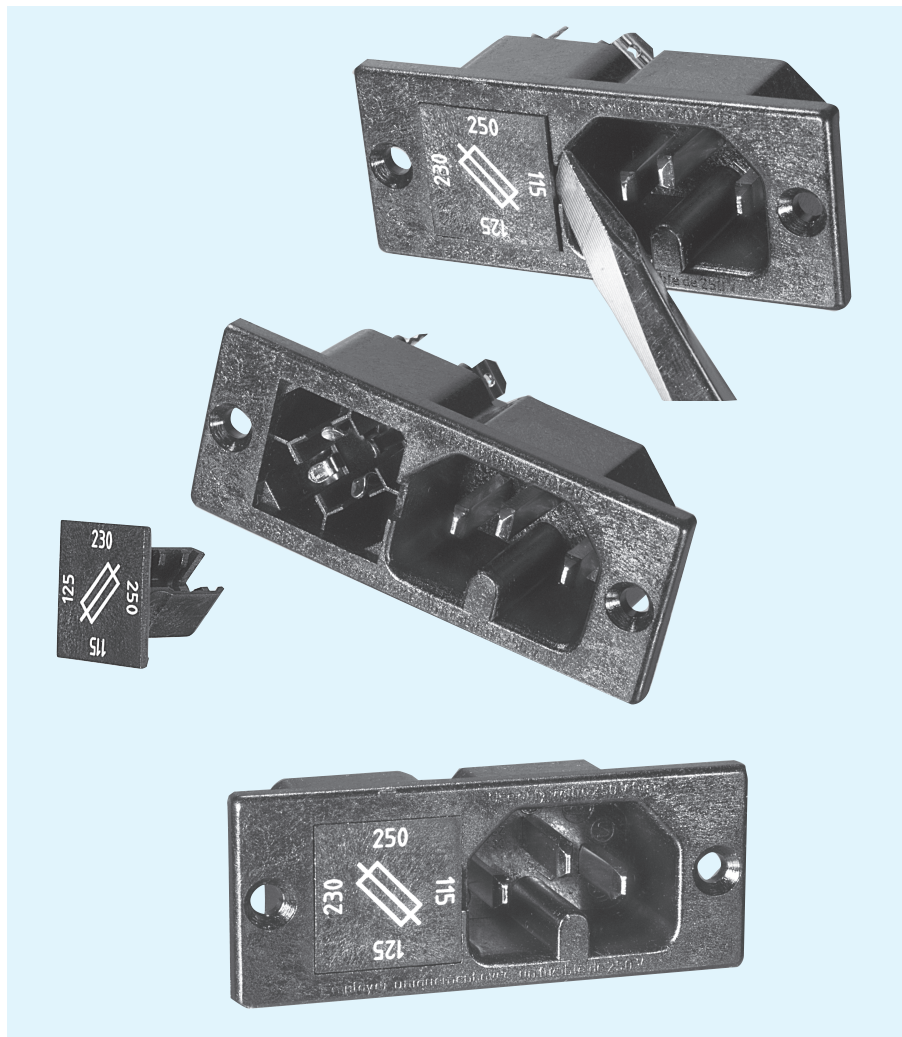

FACE DIMENSIONS SNAP-IN




① Fuse holder snaps out.

② Pull out fuse holder & insert fuse into voltage selector/ fuse holder.

③ Reinsert fuse holder with desired voltage at top.




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**
**NOTE:** The fuse cover markings are shown in white for photograph purposes only.

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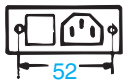
# EXAMPLE & ORDERING CODE

42R34 - 3 | 1 | 1 | 1 - 200

**MECHANICAL MOUNTING CONFIGURATION**

SCREW MOUNT  =1



SNAP-IN =3

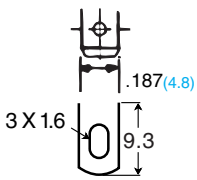
**COLOR**

Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**





QUICK CONNECT =1

SOLDER =2

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 250V 70°C 2+Ground =1

10A 250V 120°C 2+Ground =2

10A 250V 70°C 2 Pole =4

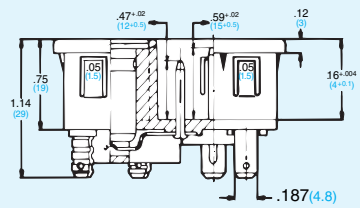
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150

.08 (2.0mm) =200

Additional panel thickness available on request. .10 (2.5mm) =250

**SNAP-IN CROSS SECTION**





Integral combination IEC power cord connector/fuse holder/voltage selector. Meets all international safety requirements; may be used without modification at time of installation. Designed to switch voltages 115, 125, 230, 250 by removing fuse cartridge & rotating to desired voltage, then snapping the cartridge back into connector housing. Fuse holder is touch proof in accordance with international product safety requirements. Series 42R34 accepts one international 5 x 20mm fuse. Series 42R38, page 232-233 accepts one standard 3 AG American type fuse. Rated 10 Amp., 250 VAC, 70°C to 120°C operating temperature. Screw or snap-in mount configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

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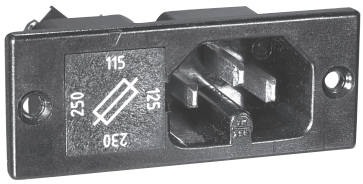
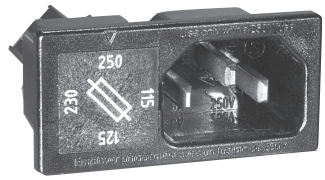
# Combination Voltage Selector, Fuse Holder and IEC Connector

SCREW MOUNT
42R38-1

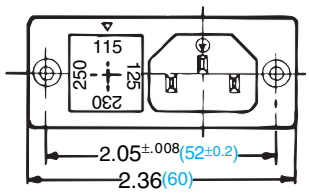



SNAP-IN
42R38-3

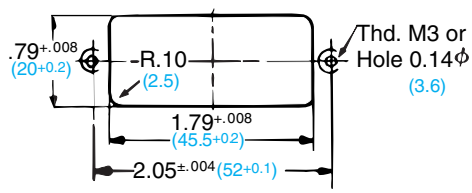



42R38 ACCEPTS 3 AG
AMERICAN FUSE ONLY

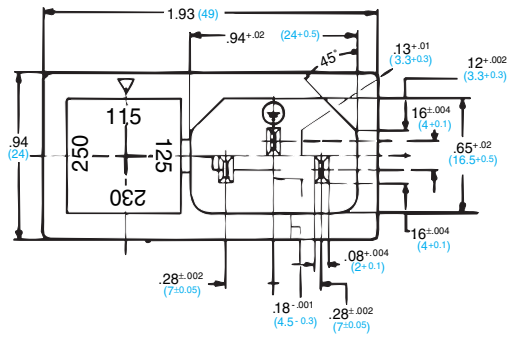
FACE DIMENSIONS SCREW MOUNT




PANEL CUT-OUT



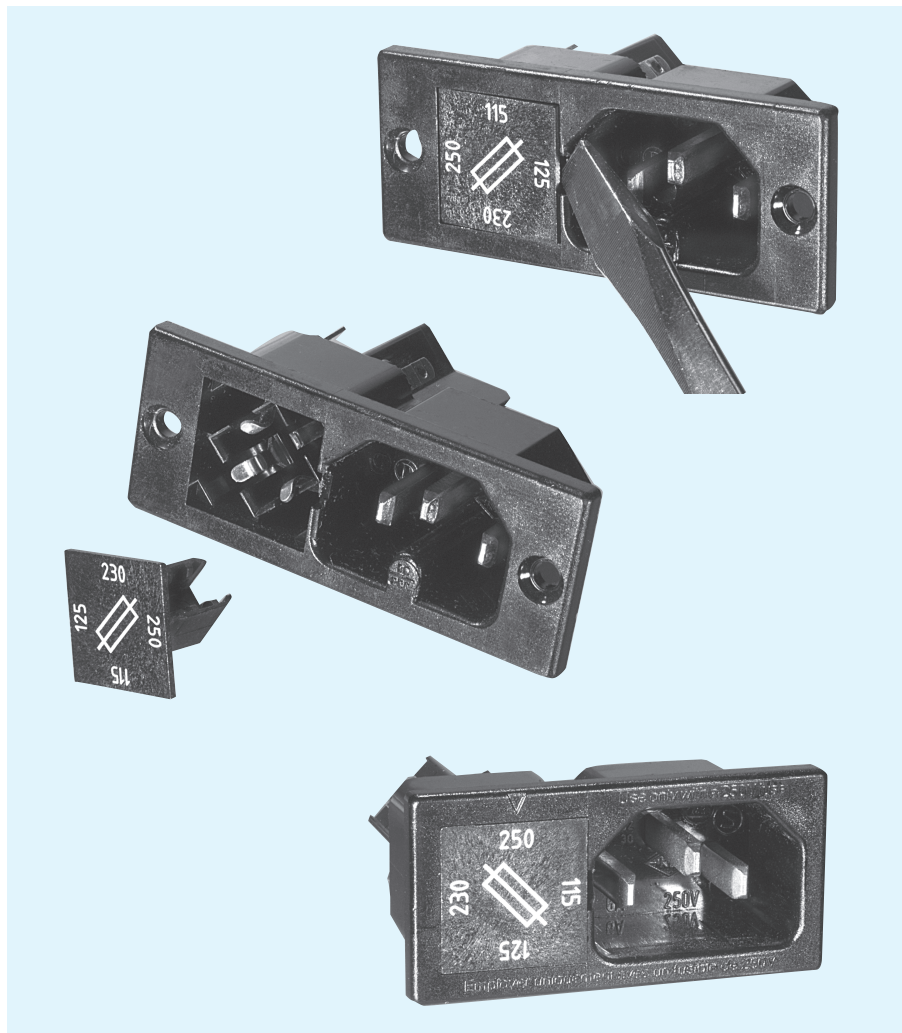

FACE DIMENSIONS SNAP-IN




① Fuse holder snaps out.

② Pull out fuse holder & insert fuse into voltage selector/ fuse holder.

③ Reinsert fuse holder with desired voltage at top.




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**
**NOTE:** The fuse cover markings are shown in white for photograph purposes only.

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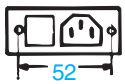
# EXAMPLE & ORDERING CODE

42R38- 3 1 1 1 - 200

**MECHANICAL MOUNTING CONFIGURATION**

SCREW MOUNT  =1

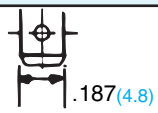


SNAP-IN =3

**COLOR**
Other colors available on request.

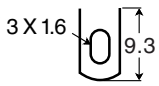
BLACK =1
GRAY =2

**TERMINAL DIMENSIONS**





QUICK CONNECT =1





SOLDER =2

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 250V 70°C 2+Ground =1

10A 250V 120°C 2+Ground =2

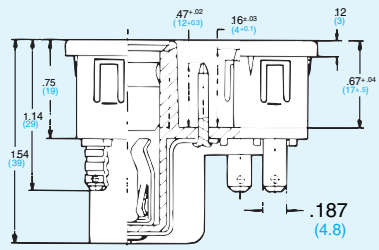
10A 250V 70°C 2 Pole =4

**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150

Additional panel thickness available on request. .08 (2.0mm) =200

CROSS SECTION SNAP-IN





Integral combination IEC power cord connector/fuse holder/voltage selector. Meets all international safety requirements; may be used without modification at time of installation. Designed to switch voltages 115, 125, 230, 250 by removing fuse cartridge & rotating to desired voltage, then snapping the cartridge back into connector housing. Fuse holder is touch proof in accordance with international product safety requirements. Series 42R34, page 230-231 accepts one international 5 x 20mm fuse. Series 42R38 accepts one standard 3 AG American type fuse. Rated 10 Amp., 250 VAC, 70°C to 120°C operating temperature. Screw or snap-in mount configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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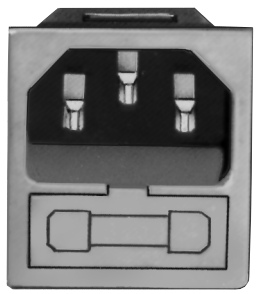
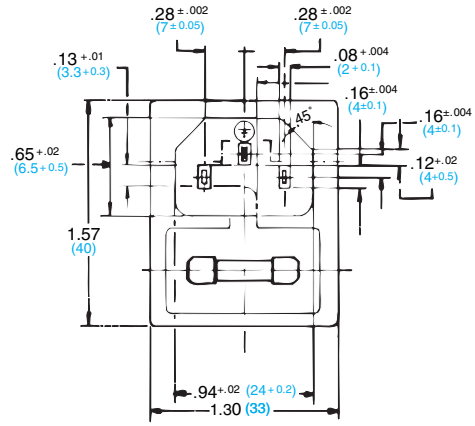
PDI® Power Dynamics, Inc.

# Combination Fuse Holder and IEC Connector

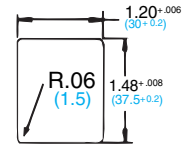
SNAP-IN
42R35



FACE DIMENSIONS




PANEL CUT-OUT




42R35 ACCEPTS BOTH SINGLE OR DOUBLE EUROPEAN 5x20 mm OR AMERICAN 3 AG FUSES

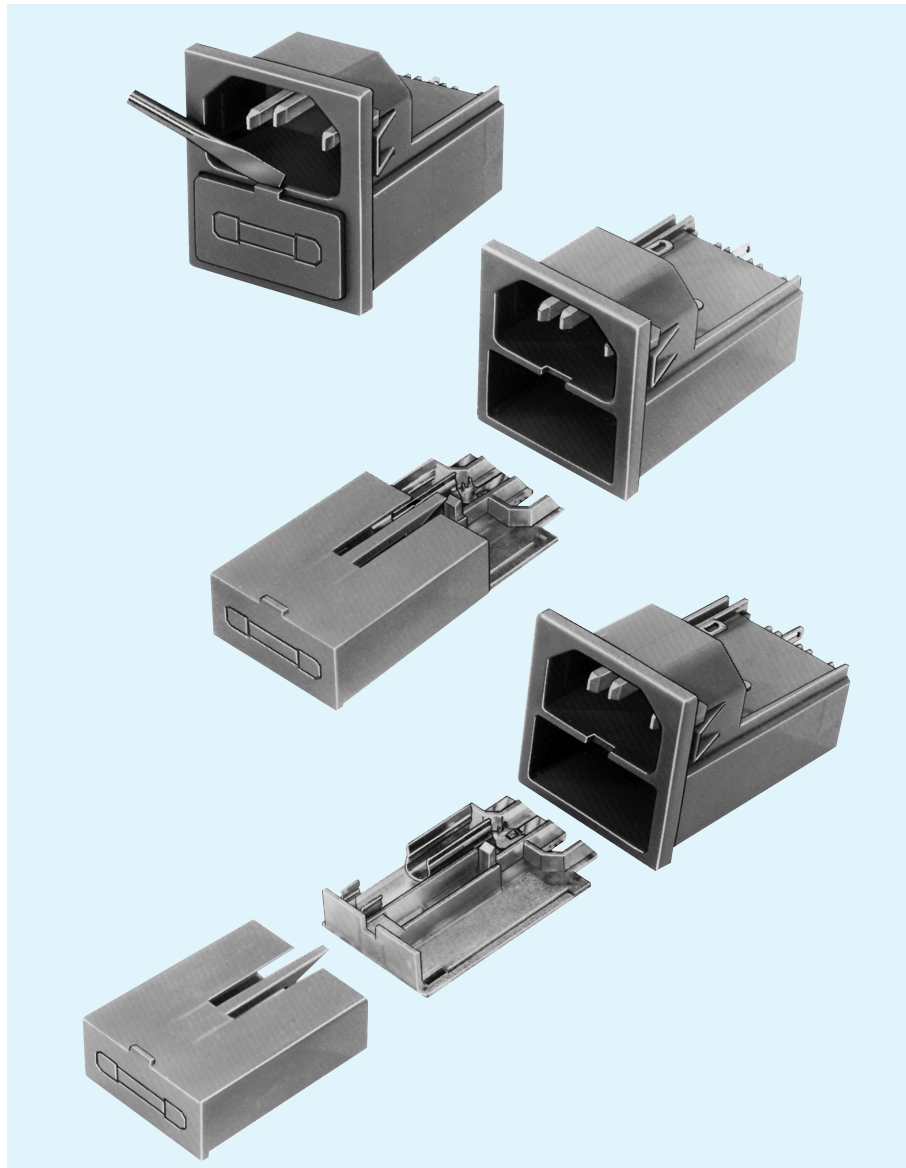
① Fuse holder snaps out.

② Lift locking tab on fuse cartridge and pull out fuse holder.

③ Insert fuse (fuses) 5x20mm or 3 AG into fuse holder.

④ To insert fuse holder, snap back into fuse cartridge.

⑤ Insert cartridge back into connector housing.



Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R35 ACCEPTS BOTH SINGLE OR DOUBLE EUROPEAN 5x20 mm OR AMERICAN 3 AG FUSES

**42R35-** [3] [1] [2] [1] - [150]

**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN =3

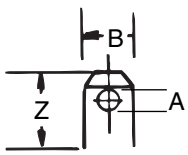
**COLOR**

Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**




| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request

**ELECTRICAL CIRCUIT CONFIGURATION**

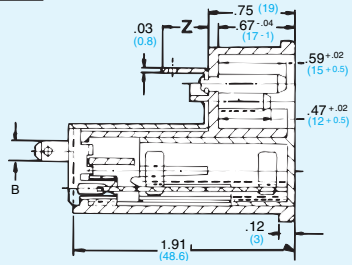
| | | | | | |
|---|---|---|---|---|---|
| 10A | 250V | 70°C | 2 Pole + Ground | 1 Fuse | =1 |
| 10A | 250V | 70°C | 2 Pole + Ground | 2 Fuse | =2 |
| 10A | 250V | 120°C | 2 Pole + Ground | 2 Fuse | =4 |
| 10A | 250V | 70°C | 2 Pole | 1 Fuse | =5 |
| 10A | 250V | 70°C | 2 Pole | 2 Fuse | =6 |

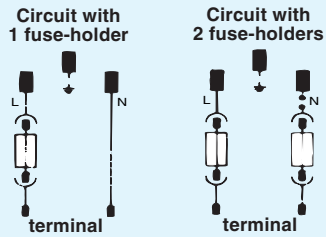
**PANEL THICKNESS**

.06 (1.5mm) =150

Additional panel thickness available on request. .08 (2.0mm) =200

SIDE VIEW CROSS SECTION




Combination single or double fuse holder power cord connector for domestic and international markets. Fuse holder is touch proof in accordance with international product safety requirements. Accepts either American or European fuse for maximum versatility in product applications. Fuse connections are externally accessible & isolated from power connections. Solder lug & quick connect terminal configurations available. Rated 10 Amp., 250 VAC, 70°C and 120°C with single or double fuse versions.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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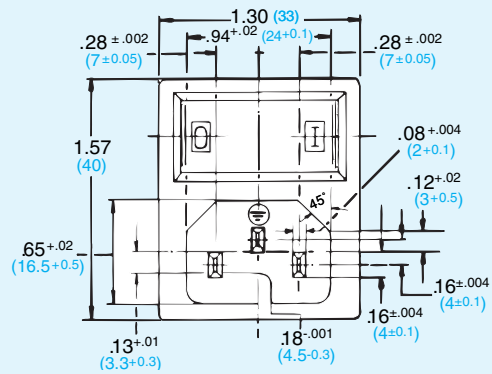
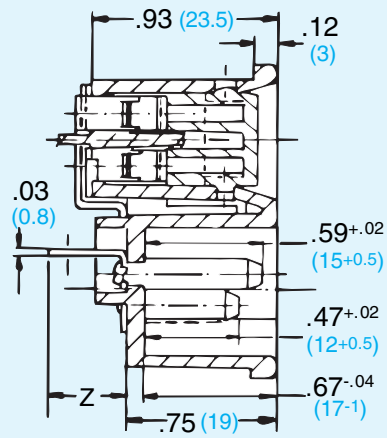
PDI® Power Dynamics, Inc.

SNAP-IN
42R36

FACE DIMENSIONS




SIDE VIEW CROSS SECTION




Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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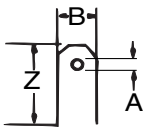
# EXAMPLE & ORDERING CODE

42R36- 3 1 2 2 - 150

MECHANICAL MOUNTING CONFIGURATION
SNAP-IN =3

COLOR
Other colors available on request.
BLACK =1
GRAY =2

TERMINAL DIMENSIONS



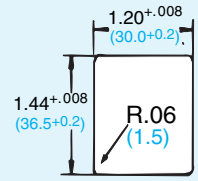

| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request.

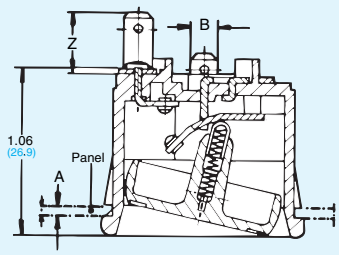
ELECTRICAL CIRCUIT CONFIGURATION
10A 250V 70°C 2 Pole Switch =2
10A 250V 120°C 2 Pole Switch =4
10A 250V 70°C 2 Pole Switch =6
Single pole switch available upon request.

PANEL THICKNESS
.06 (1.5mm) =150
Additional panel thickness available on request. .08 (2.0mm) =200

PANEL CUT-OUT




COMBINATION SWITCH AND IEC CONNECTOR




Combination power cord connector with single or double pole On/Off snap action power switch. Conforms with all inter-national product safety requirements. Designed to eliminate discrete purchase, inventory & assembly of connector & switch. Terminal connections are solder or quick connect. Rated 15 Amp., 250 VAC, 70°C and 120°C, double pole On/Off switch.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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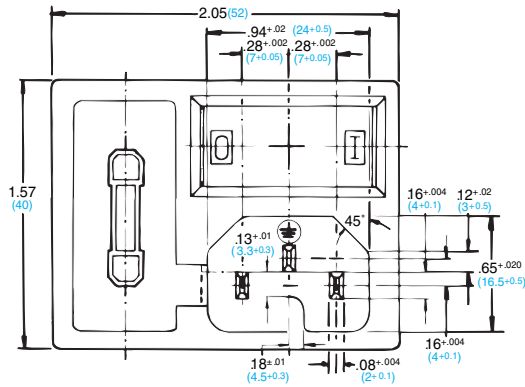
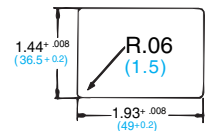
# Combination Fuse Holder, Switch, & IEC Connector

SNAP-IN
42R37

FACE DIMENSIONS SNAP-IN




PANEL CUT-OUT




42R37 ACCEPTS BOTH EUROPEAN 5x20mm OR 3 AG AMERICAN FUSES

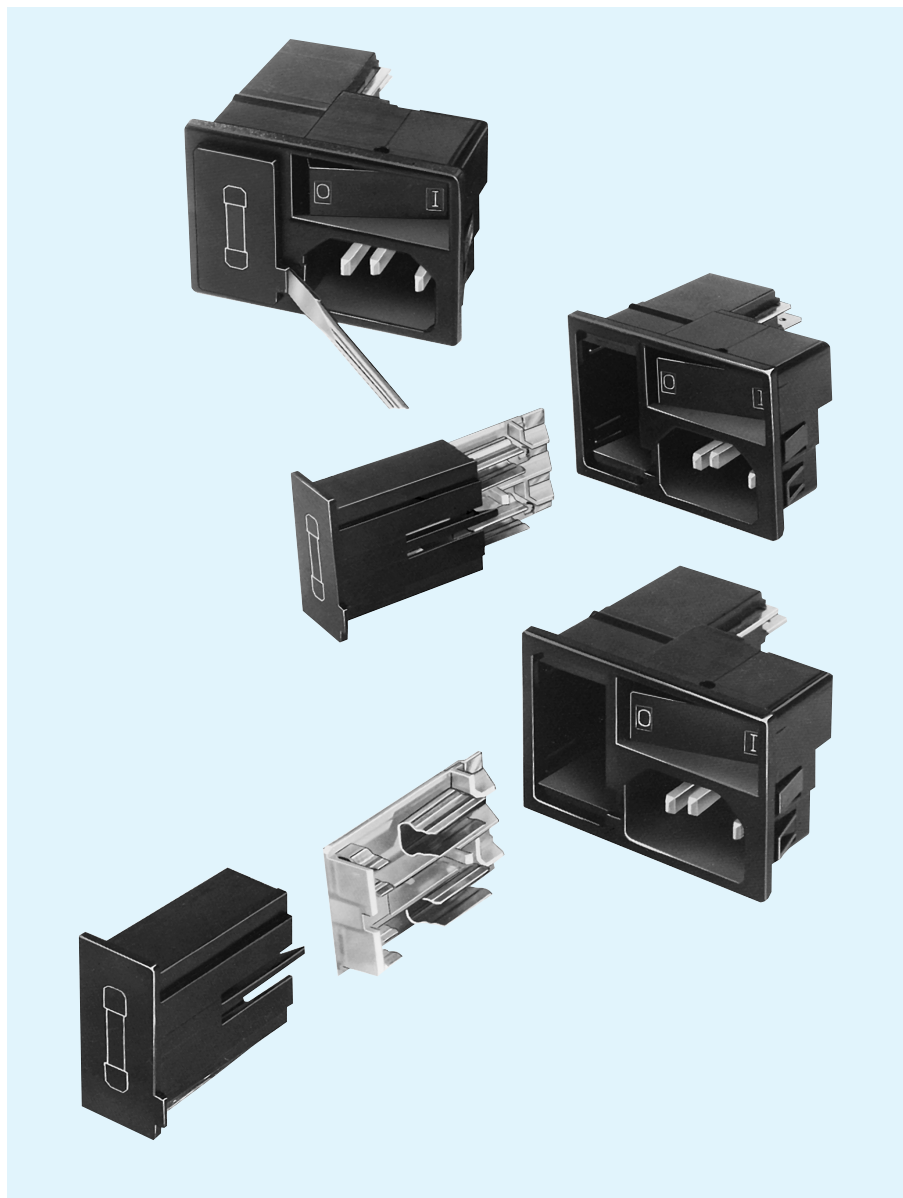
① Fuse holder snaps out.

② Lift locking tab on fuse cartridge and pull out fuse holder.

③ Insert fuse (fuses)5x20mm or 3 AG into fuse holder.

④ To insert fuse holder, snap back into fuse cartridge.

⑤ Insert cartridge back into connector housing.



## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel

Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R37- [3] [1] [2] [4] - [150]

**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN

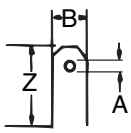
| | |
|---|---|
| WITHOUT LAMP | =3 |
| WITH NEON LAMP | =8 |

**COLOR**

Other colors available on request.

| | |
|---|---|
| BLACK | =1 |
| GRAY | =2 |

**TERMINAL DIMENSIONS**




| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request

**ELECTRICAL CIRCUIT CONFIGURATION**

| | |
|---|---|
| 10A 250V 70°C 2 Pole Switch 1 Fuse | =3 |
| 10A 250V 70°C 2 Pole Switch 2 Fuse | =4 |
| 10A 250V 120°C 2 Pole Switch 1 Fuse | =7 |
| 10A 250V 120°C 2 Pole Switch 2 Fuse | =8 |
| 10A 250V 70°C 2 Pole Switch 1 Fuse | =11 |
| 10A 250V 70°C 2 Pole Switch 2 Fuse | =12 |

Single pole switch available upon request

**PANEL THICKNESS (SNAP-INS ONLY)**

| | |
|---|---|
| .06 (1.5mm) | =150 |
| .08 (2.0mm) | =200 |

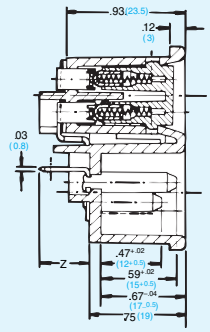
Additional panel thickness available on request.

Integral combination IEC power connector, fuse holder & On/Off switch. Designed to eliminate discrete purchase, inventory & assembly of individual components. Fuse holder accepts either single or double American or European fuses for maximum versatility (not interchangeable). Fuse connections are externally accessible & isolated from power connections. Rated 10 Amp., 250 VAC, 70°C to 120°C. Single or double pole snap action On/Off switch designed to withstand 80 amp. inrush current. Terminal connections are solder lug or quick connect. 42R37 meets all international safety requirements.

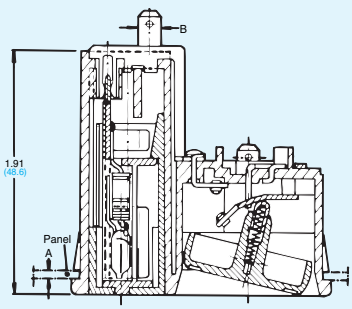
Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

CROSS SECTION

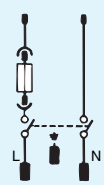



SIDE VIEW CROSS SECTION



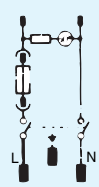

**Circuit with 2 Pole Switch 1 Fuse w/o lamp**

Terminal



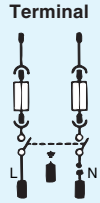

**Circuit with 2 Pole Switch 1 Fuse with lamp**

Terminal



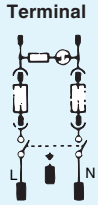

**Circuit with 2 Pole Switch 2 Fuses w/o lamp**

Terminal




**Circuit with 2 Pole Switch 2 Fuses with lamp**

Terminal

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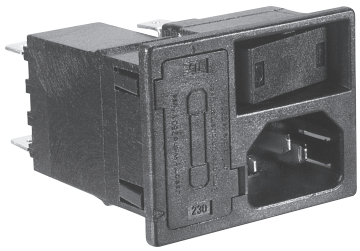
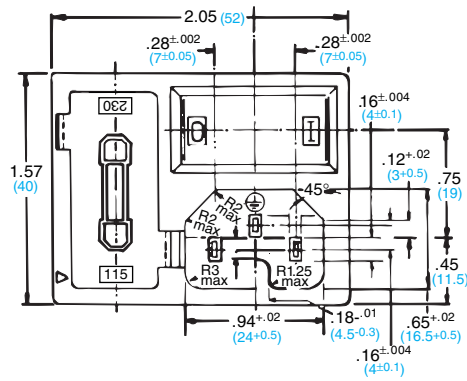
# Combination Fuse Holder, On/Off Switch, Voltage Selector, and IEC Connector

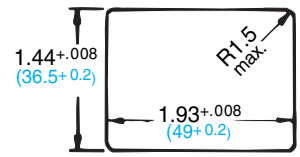
SNAP-IN
42R39



FACE DIMENSIONS SNAP-IN




PANEL CUT-OUT




42R39 ACCEPTS BOTH EUROPEAN 5x20mm OR 3 AG AMERICAN FUSES

① Fuse holder snaps out.

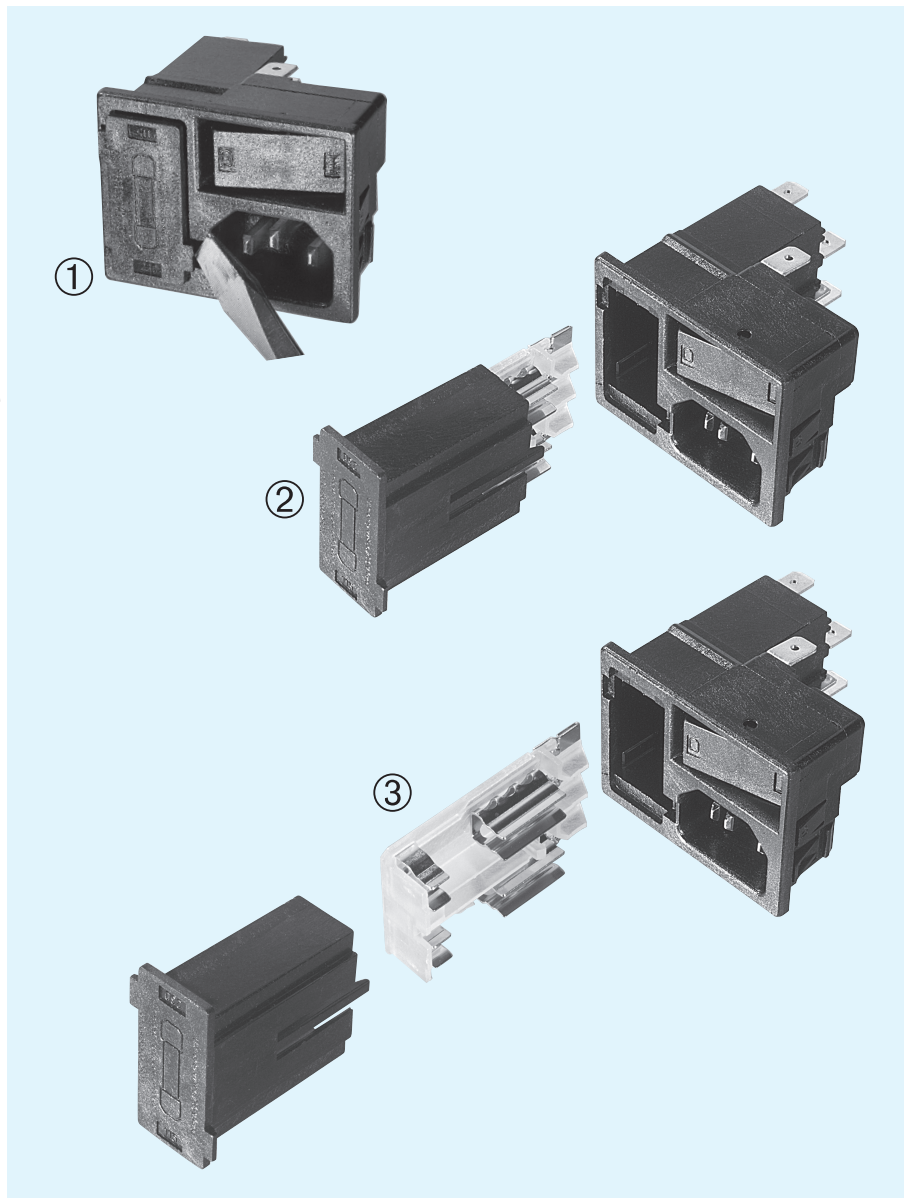
② Lift locking tab on fuse cartridge and pull out fuse holder.

③ Insert fuse (fuses) 5x20mm or 3 AG into fuse holder.

- 115 Volt and 230 Volt easily changed by rotating cartridge so that desired voltage corresponds with indicator arrow.

- To insert fuse holder, snap back into fuse cartridge.

④ Insert cartridge back into connector housing.




## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min.@ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R39 - 3 | 1 | 5 | 4 - 150

**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN =3

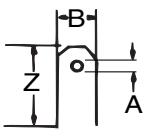
**COLOR**

Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**




| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 10A 250V 70°C 2 Pole Switch 1 Fuse | | =3 |
| 10A 250V 70°C 2 Pole Switch 2 Fuse | | =4 |
| 10A 250V 120°C 2 Pole Switch 1 Fuse | | =7 |
| 10A 250V 120°C 2 Pole Switch 2 Fuse | | =8 |
| 10A 250V 70°C 2 Pole Switch 1 Fuse | | =11 |
| 10A 250V 70°C 2 Pole Switch 2 Fuse | | =12 |

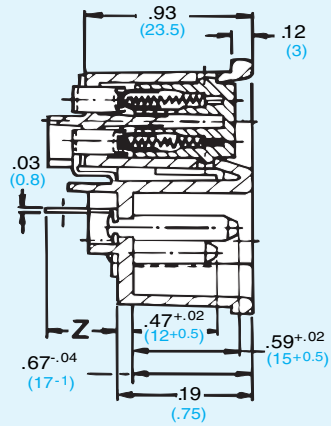
Single pole switch available upon request

**PANEL THICKNESS**

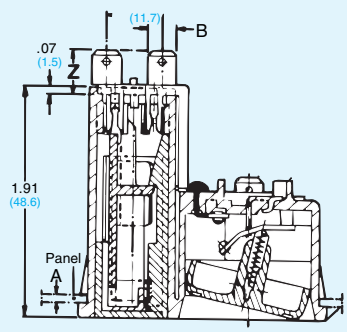
.06 (1.5mm) =150

Additional panel thickness available on request .08 (2.0mm) =200

CROSS SECTION




SIDE VIEW CROSS SECTION

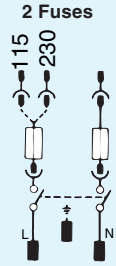



Same features as 42R37 but with Voltage Selector. Changes voltages by rotating fuse cartridge. Meets all international safety requirements. Fuse Holder accepts 3 AG American or 5 x 20mm European fuses.

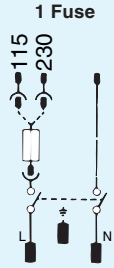
Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

**2 Pole Switch 2 Fuses**




**2 Pole Switch 1 Fuse**

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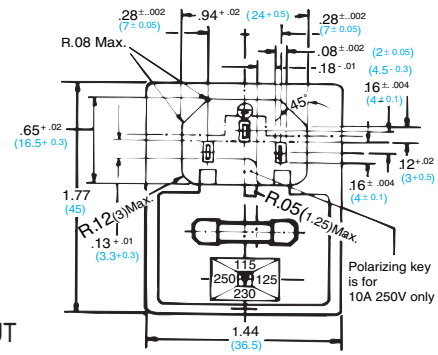
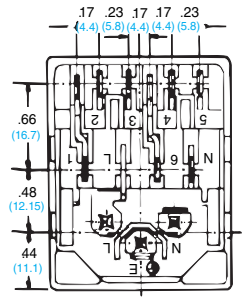
# Combination Fuse Holder & IEC Connector with Voltage Selector

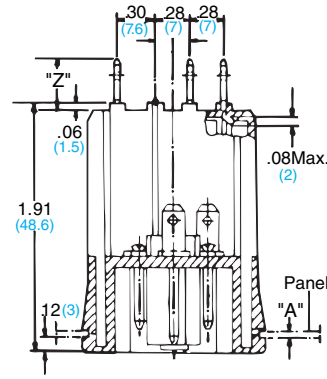
SNAP-IN
42R40

FACE DIMENSIONS SNAP-IN

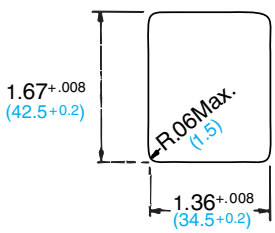


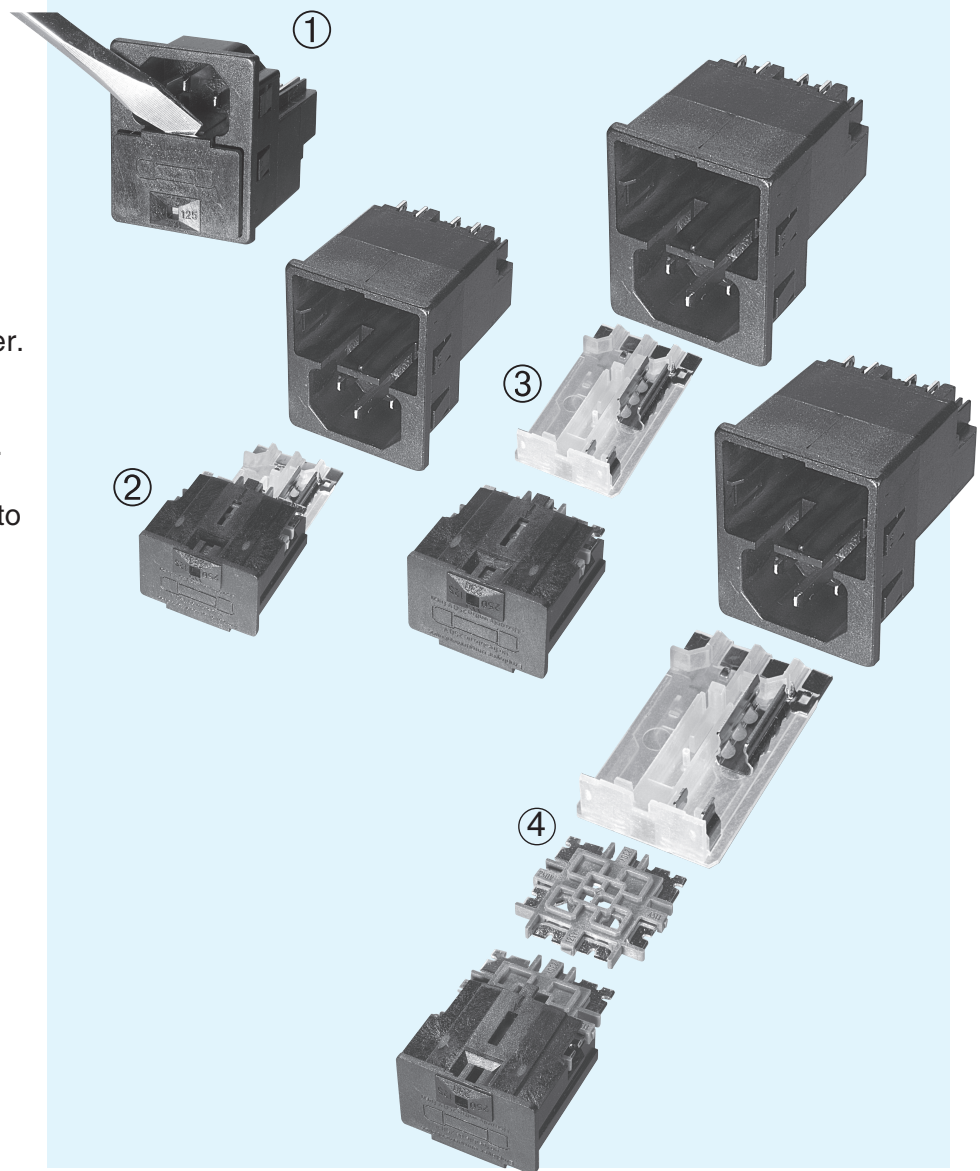




CROSS SECTION




PANEL CUT-OUT




① Snap out fuse and voltage "select" cartridge.
② Lift locking tab on fuse cartridge and pull out fuse holder.
③ Lift locking tab on voltage "select" section of cartridge and pull out voltage selector.
④ Rotate voltage selector to desired voltage and insert into cartridge until voltage shows through window.
⑤ Re-insert fuse holder into cartridge.
⑥ Insert cartridge back into connector housing.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

42R40 ACCEPTS BOTH EUROPEAN 5X20mm OR 3 AG AMERICAN FUSE

**42R40-[3][1][2][1]-[150]**

**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN =3

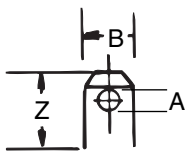
**COLOR**

Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**




| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 10A 250V 70°C 1 Fuse | | =1 |
| 10A 250V 70°C 2 Fuse | | =2 |
| 10A 250V 120°C 2 Fuse | | =4 |
| 10A 250V 70°C 1 Fuse | | =5 |
| 10A 250V 70°C 2 Fuse | | =6 |

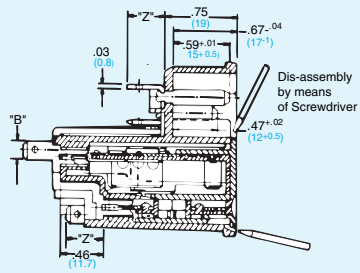
**PANEL THICKNESS**

.06 (1.5mm) =150

.08 (2.0mm) =200

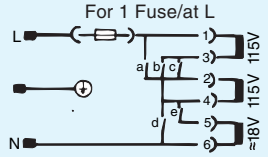
Additional panel thickness available on request. .10 (2.5mm) =250

SIDE VIEW CROSS SECTION




**Circuit with 1 fuse-holder**

For 1 Fuse/at L




Integral combination IEC Connector, fuse holder & voltage selector. The voltage selector is designed to switch to four different voltages & provides a simple means to change transformer primary connections. Fuse Holder accepts either single or double European 5 x 20mm or 3AG American 1/4 x 1-1/4 fuses for maximum versatility in product applications. Fuse connections are externally accessible & isolated from power connections. Rated 10 Amp., 250 VAC, 70°C to 120°C. Connectors are available in quick connect or solder terminals.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

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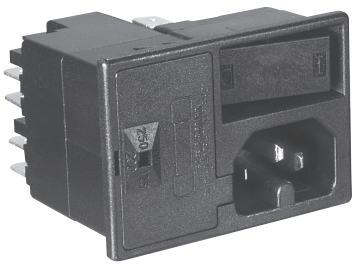
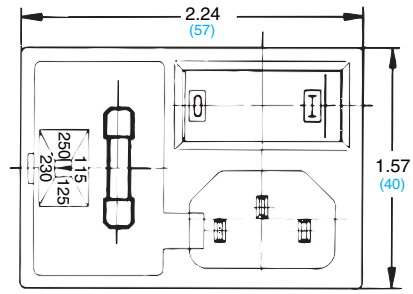
PDI® Power Dynamics, Inc.

# Combination Fuse Holder, On/Off Switch, Voltage Selector, and IEC Connector

SNAP-IN
42R41

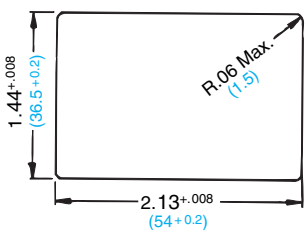


FACE DIMENSIONS SNAP-IN

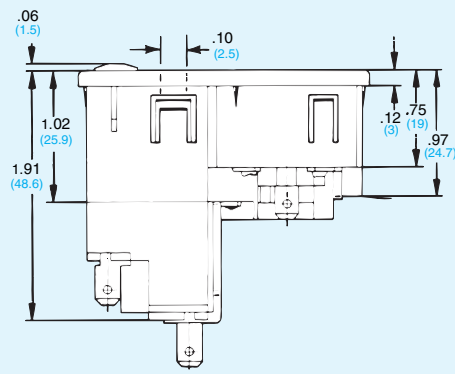



ACCEPTS BOTH
EUROPEAN 5x20mm OR
3 AG AMERICAN FUSES

PANEL CUT-OUT



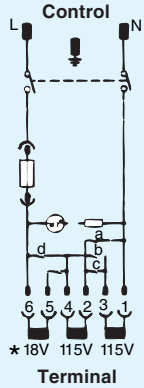

SIDE VIEW DIMENSIONS




VOLTAGE CIRCUIT

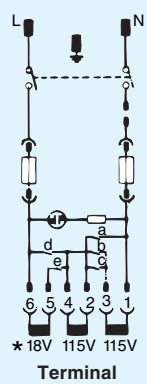
| VOLTAGE | CONNECTED BY TERMINALS | CONTACT POSITION |
|---|---|---|
| 115V | a, b, d | = closed |
| 125V | a, b, e | = closed |
| 230V | c, d | = closed |
| 250V | c, e | = closed |

**Circuit with 2 Pole Switch 1 Fuse Function Control**



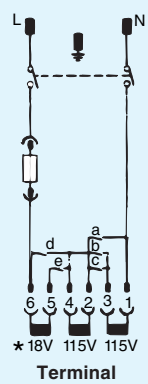

Terminal

**Circuit with 2 Pole Switch 2 Fuses Function Control**



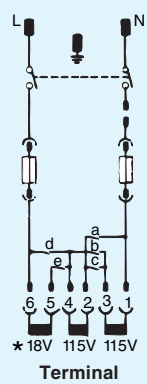

Terminal

**Circuit with 2 Pole Switch 1 Fuse**




Terminal

**Circuit with 2 Pole Switch 2 Fuses**




Terminal

***Can be any voltage.**

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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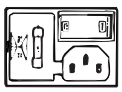
# EXAMPLE & ORDERING CODE

42R41- [3] [1] [2] [3] - [150]

**MECHANICAL MOUNTING CONFIGURATION**

SNAP-IN 

WITHOUT LAMP =3

WITH NEON LAMP =8

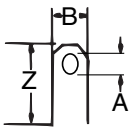
**COLOR**

Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**




| | B | Z | A | |
|---|---|---|---|---|
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =2 |
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =5 |

.187 quick connect terminals available upon request

**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 10A 250V 70°C 2 Pole + Ground 1 Fuse | | =3 |
| 10A 250V 70°C 2 Pole + Ground 2 Fuse | | =4 |
| 10A 250V 120°C 2 Pole + Ground 1 Fuse | | =7 |
| 10A 250V 120°C 2 Pole + Ground 2 Fuse | | =8 |
| 10A 250V 70°C 2 Pole 1 Fuse | | =11 |
| 10A 250V 70°C 2 Pole 2 Fuse | | =12 |

Single pole switch available upon request

**PANEL THICKNESS**

.06 (1.5mm) =150

.08 (2.0mm) =200

Additional panel thickness available on request. .10 (2.5mm) =250

Same features as 42R40 but with on/off power switch. Meets all international safety requirements.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

**See pages 129-140 for mating power cords.**

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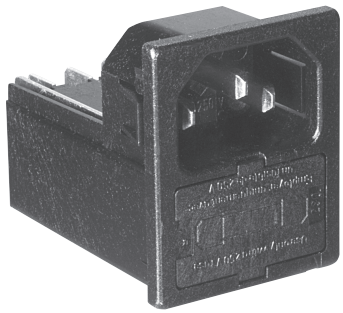
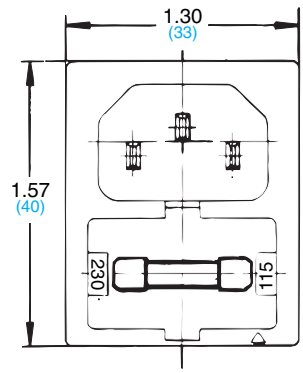
# Combination Fuse Holder, Voltage Selector, and IEC Connector

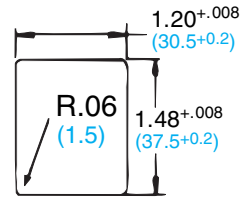
SNAP-IN
42R42



FACE DIMENSIONS




PANEL CUT-OUT




42R42 ACCEPTS BOTH
EUROPEAN 5x20mm OR
3 AG AMERICAN FUSES

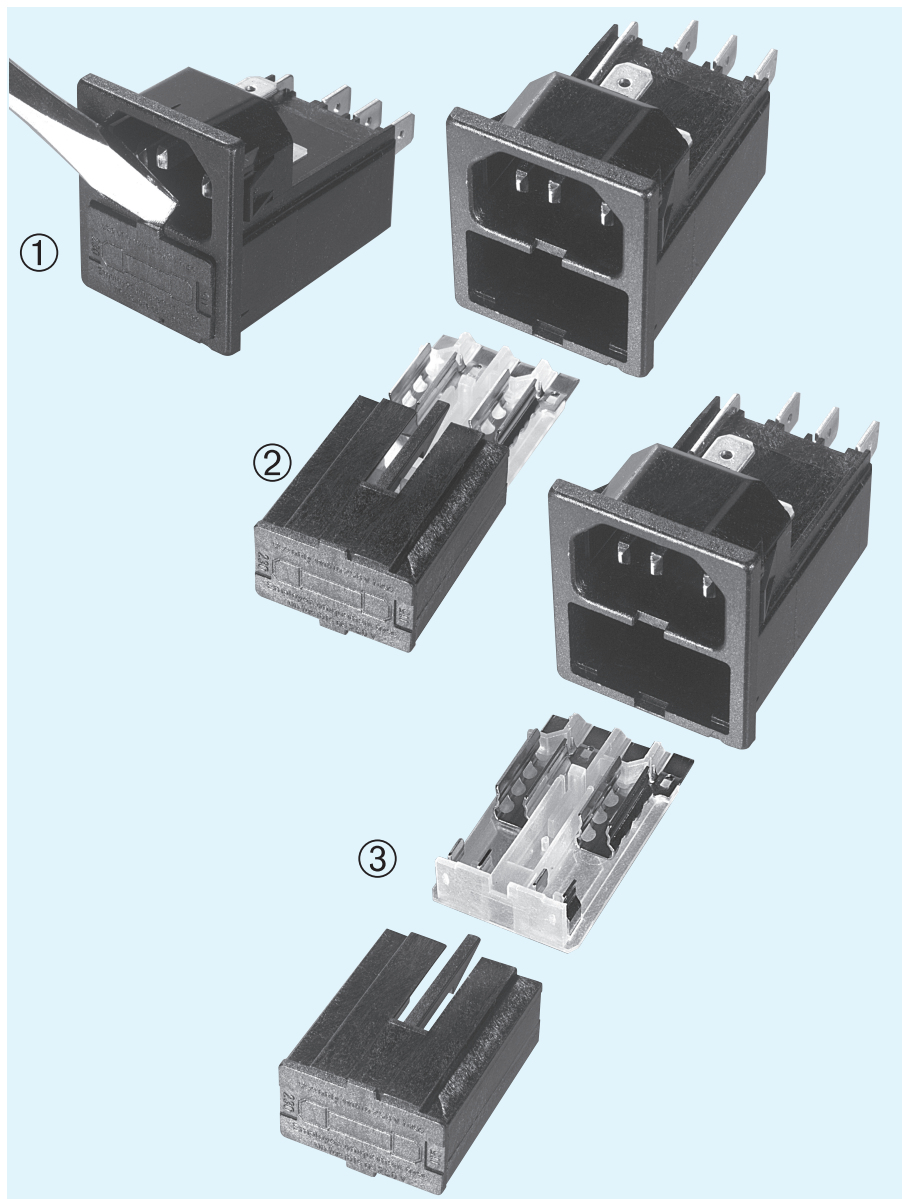
① Fuse holder snaps out.

② Lift locking tab on fuse cartridge and pull out fuse holder.

③ Insert fuse (fuses) 5x20mm or 3 AG into fuse holder.

- 115 Volt and 230 Volt easily changed by rotating cartridge so that desired voltage corresponds with indicator arrow.
- To insert fuse holder, snap back into fuse cartridge.

④ Insert cartridge back into connector housing.




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.** Fuses are not included with units.

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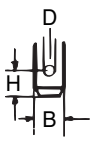
# EXAMPLE & ORDERING CODE

42R42- [3] [1] [2] [2] - [150]

**MECHANICAL MOUNTING CONFIGURATION**
SNAP-IN =3

**COLOR**
Other colors available on request.
BLACK =1
GRAY =2

**TERMINAL DIMENSIONS**
.370 (9.3)
SOLDER TERMINAL =2



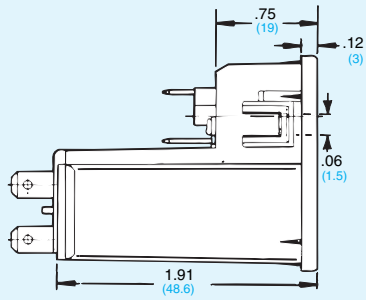

| B | H | D | |
|---|---|---|---|
| .187 (4.8) | .16 (4) | .06 (1.65) | .187 QUICK CONNECT =4 |
| .250 (6.3) | .16 (4) | .06 (1.65) | .250 QUICK CONNECT =5 |
| .250 (6.3) | .16 (4) | .11 x .134 (2.8 x 3.4) | |

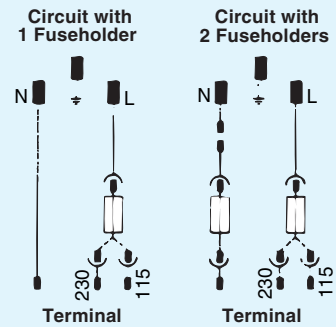
**ELECTRICAL CIRCUIT CONFIGURATION**

| | |
|---|---|
| 10A 250V 70°C 2 Pole + Ground 1 Fuse | =1 |
| 10A 250V 70°C 2 Pole + Ground 2 Fuse | =2 |
| 10A 250V 120°C 2 Pole + Ground 1 Fuse | =3 |
| 10A 250V 120°C 2 Pole + Ground 2 Fuse | =4 |
| 10A 250V 70°C 2 Pole 1 Fuse | =5 |
| 10A 250V 70°C 2 Pole 2 Fuse | =6 |

**PANEL THICKNESS**
.06 (1.5mm) =150
.08 (2.0mm) =200
Additional panel thickness available on request. .10 (2.5mm) =250

SIDE VIEW
CROSS SECTION




Same features as 42R35 but with voltage selector. Change voltages by rotating fuse cartridge. Meets all international safety requirements. Fuse holder accepts single or double 3 AG or 5 x 20mm fuses for fusing both line and neutral.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel
Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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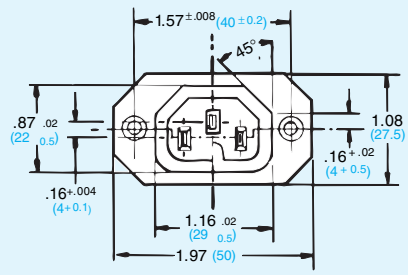
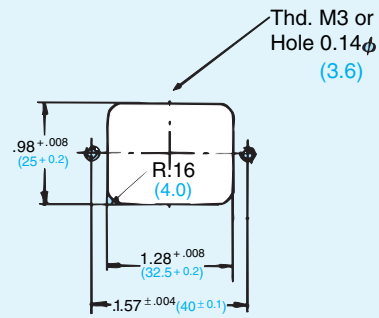
FACE DIMENSIONS PANEL CUT-OUTS

## SIDE FLANGE
## 43R02-1

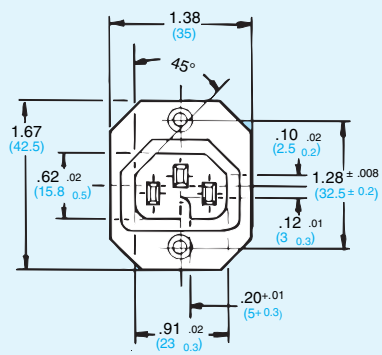
SCREW TERMINAL

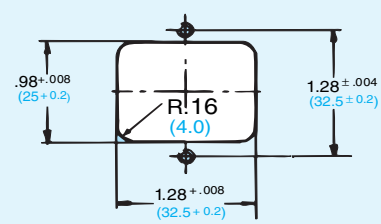


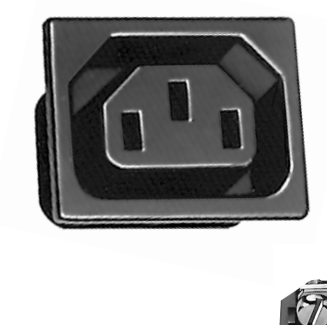

## CROSS FLANGE
## 43R02-2

SCREW TERMINAL

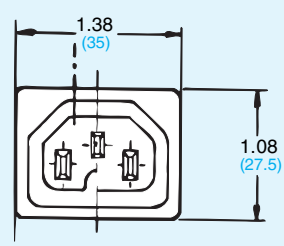


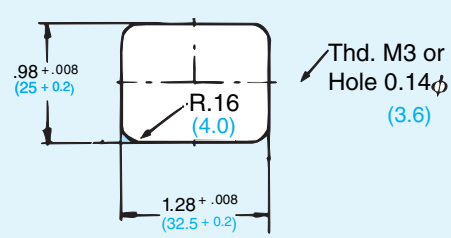




## SNAP-IN
## 43R02-3



SCREW TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

43R02- 3 1 1 1 - 150

**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | 40 | =1 |
| CROSS FLANGE | 32.5 | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on special order.

BLACK =1
GRAY =2

**SCREW TERMINALS**

M3 x 6.0mm =1

**ELECTRICAL CIRCUIT CONFIGURATION**

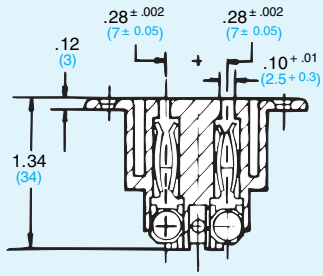
| | | | |
|---|---|---|---|
| 10A | 15A 250V 70°C | | =1 |
| 10A | 15A 250V 120°C | | =2 |

**PANEL THICKNESS (SNAP-INS ONLY)**

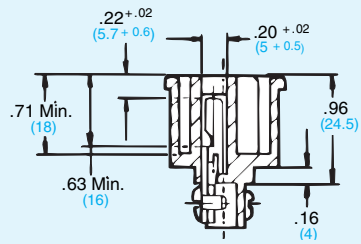
.06 (1.5mm) =150
.08 (2.0mm) =200

Additional panel thickness available on request.

CROSS SECTION




SIDE VIEW
CROSS SECTION




General purpose female power cord connector with screw terminals. Rated 15 Amp., 250 VAC, 70°C and 120°C. Designed for versatile mounting. Screw or snap-in panel mount. Three mounting configurations.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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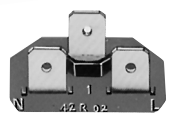
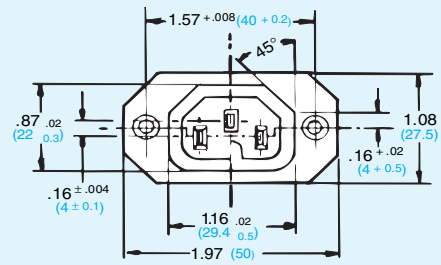
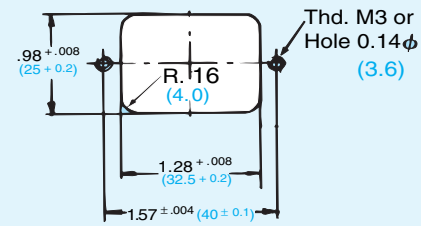
FACE DIMENSIONS PANEL CUT-OUTS

## SIDE FLANGE
## 43R03-1

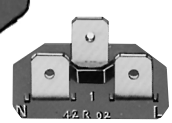


QUICK CONNECT TERMINAL

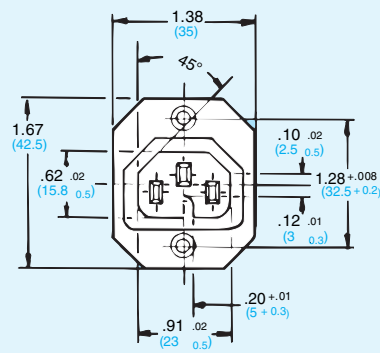


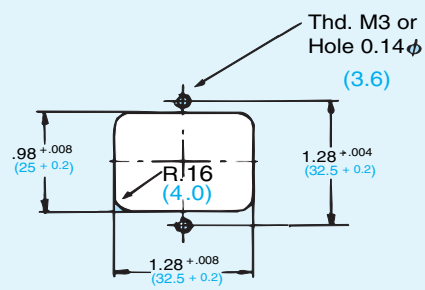




## CROSS FLANGE
## 43R03-2

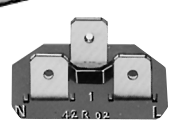


QUICK CONNECT TERMINAL

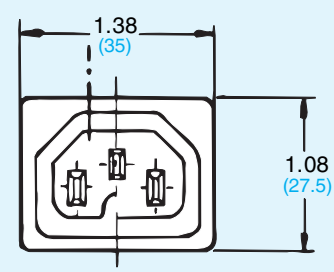


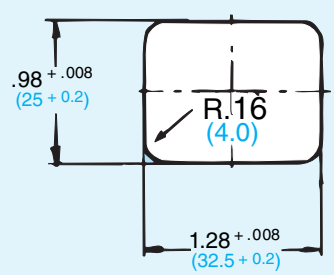




## SNAP-IN
## 43R03-3



QUICK CONNECT TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

43R03- 3 1 2 1 - 150

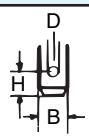
**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

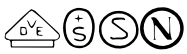
BLACK =1
GRAY =2

**TERMINAL DIMENSIONS**



| B | H | D | |
|---|---|---|---|
| .187 (4.8) | .16 (4) | .06 (1.65) | =1 |
| .250 (6.3) | .16 (4) | .06 (1.65) | |
| .250 (6.3) | .16 (4) | .11 x .134 (2.8 x 3.4) | =2 |

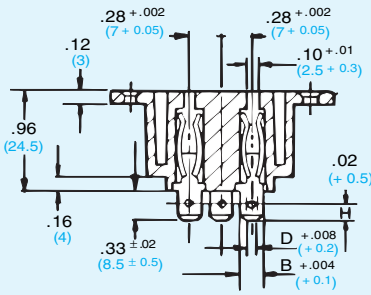
**ELECTRICAL CIRCUIT CONFIGURATION**

| | | |
|---|---|---|
| 10A | 15A 250V 70°C | =1 |
|  10A | 15A 250V 120°C | =2 |

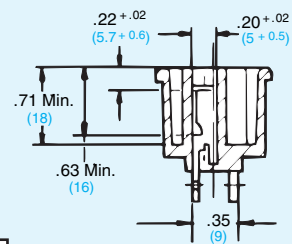
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150
.08 (2.0mm) =200
Additional panel thickness available on request. .10 (2.5mm) =250

CROSS SECTION




SIDE VIEW
CROSS SECTION




General purpose female power cord connector with quick connect terminals. Rated 15 Amp., 250 VAC, 70°C and 120°C. Designed for versatile mounting. Screw or snap-in panel mount. Three mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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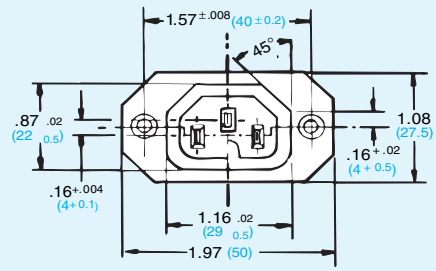
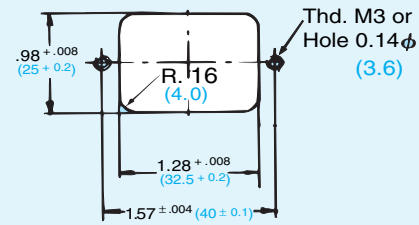
FACE DIMENSIONS

PANEL CUT-OUTS

## SIDE FLANGE
## 43R04-1

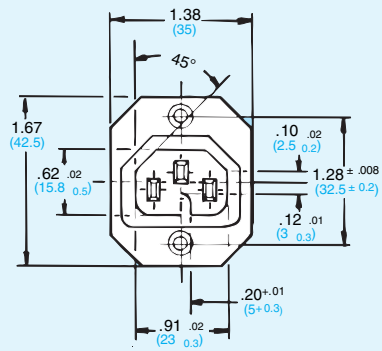
SOLDER TERMINAL

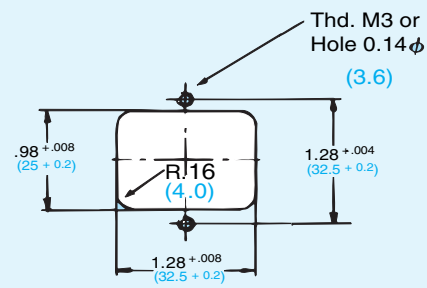



## CROSS FLANGE
## 43R04-2

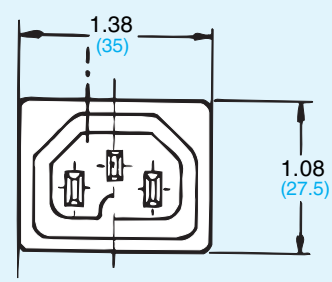
SOLDER TERMINAL

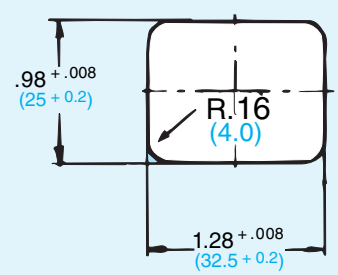



## SNAP-IN
## 43R04-3

SOLDER TERMINAL




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

43R04- 3 1 2 2 - 200

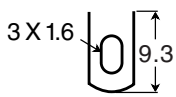
**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**TERMINAL DIMENSIONS**



=2

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 15A 250V 70°C =1

10A 15A 250V 120°C =2

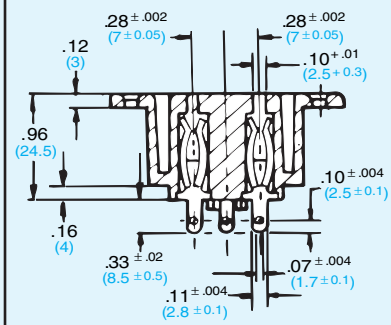
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150

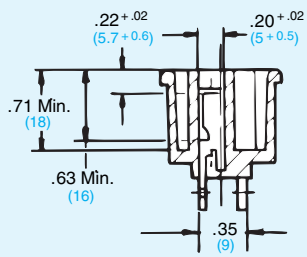
.08 (2.0mm) =200

Additional panel thickness available on request. .10 (2.5mm) =250

CROSS SECTION




SIDE VIEW
CROSS SECTION




General purpose female power cord connector with solder terminals. Rated 15 Amp.,250 VAC, 70°C and 120°C. Designed for versatile mounting. Screw or snap-in panel mount. Three mounting configurations.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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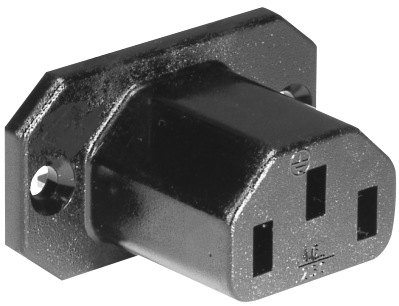
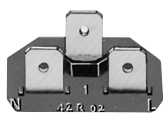
# SIDE FLANGE FOR RACK AND PANEL APPLICATIONS 43R05

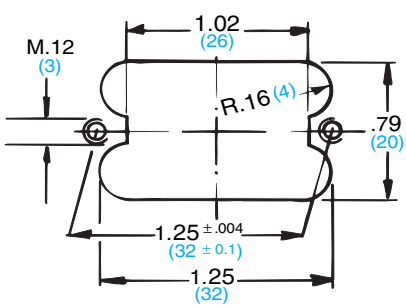




QUICK CONNECT TERMINAL

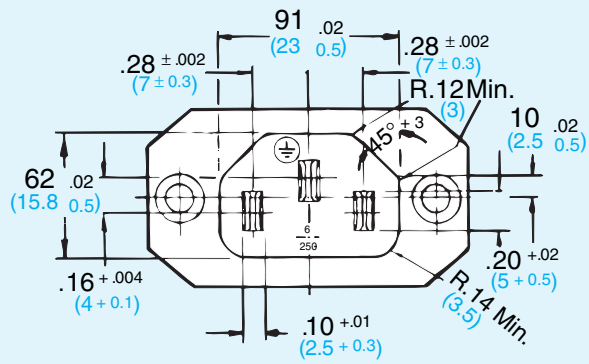
SOLDER TERMINAL

PANEL CUT-OUT

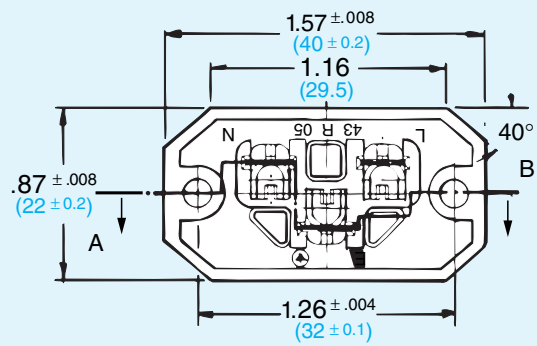



FRONT OF PANEL

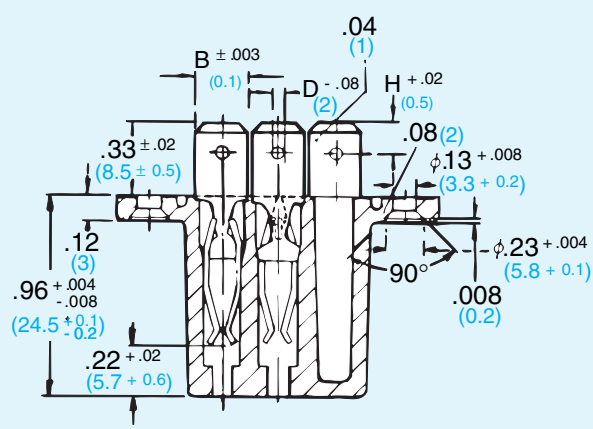
FACE DIMENSIONS




REAR VIEW




SECTION A-A
(Shown with Quick Connect Terminals)




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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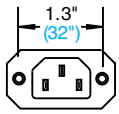
# EXAMPLE & ORDERING CODE

43R05- 1 1 3 1

**MECHANICAL MOUNTING CONFIGURATION**

SIDE FLANGE (32mm) HOLE SPACING




=1

**COLOR**

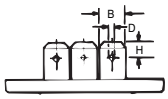
Other colors available on request.

BLACK =1

GRAY =2

**TERMINAL DIMENSIONS**

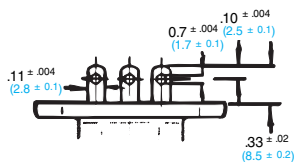
QUICK CONNECT TERMINAL




| B | H | D |
|---|---|---|
| .25 (6.3) | .16 (4.) | .06 (1.65) |

=3

SOLDER TERMINAL




=4

**ELECTRICAL CIRCUIT CONFIGURATION**

15A 250V 70°C =1

15A 250V 120°C =2

15A 250V 155°C =3

General purpose female power cord connector designed for recessed and rack or panel mounting. Available for quick connect and solder terminals. Rated 10Amp., 250 VAC, 70°C, 120°C and 155°C. Available 15A for UL and CSA. Designed for versatile mounting.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Quick Connect:
Material: Brass
Plating: Nickel

Solder:
Material: Copper
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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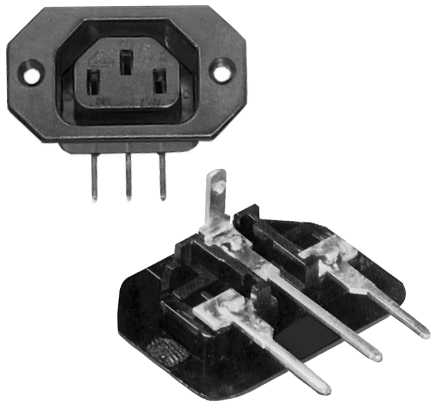
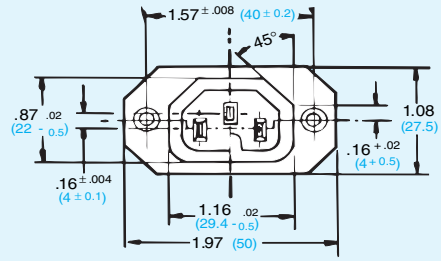
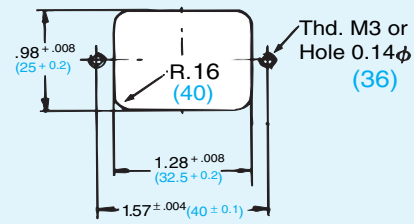
FACE DIMENSIONS PANEL CUT-OUTS

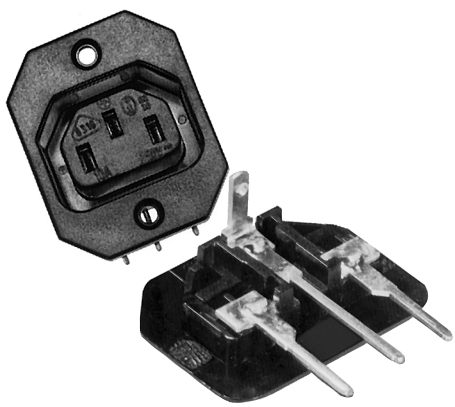
## SIDE FLANGE
## 43R09-1
## (WITH PC TERMINALS)

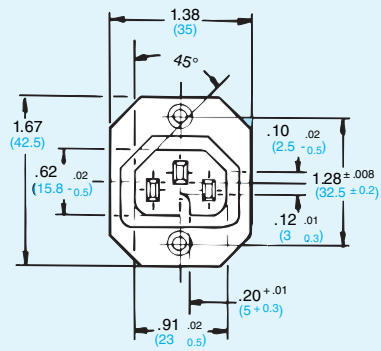


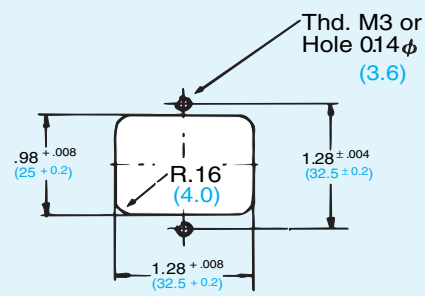


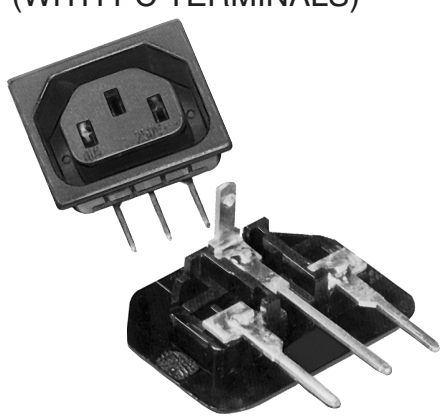

## CROSS FLANGE
## 43R09-2
## (WITH PC TERMINALS)

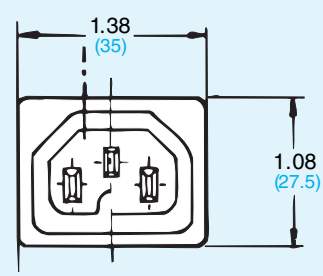


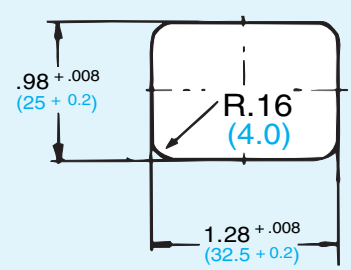



## SNAP-IN
## 43R09-3
## (WITH PC TERMINALS)






Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

43R09- 3 | 1 | 4 | 3 - 150

**MECHANICAL MOUNTING CONFIGURATION**

| | | |
|---|---|---|
| SIDE FLANGE | | =1 |
| CROSS FLANGE | | =2 |
| SNAP-IN | | =3 |

**COLOR**
Other colors available on request.

BLACK =1
GRAY =2

**PC TERMINALS**

STRAIGHT =3
RIGHT ANGLE DOWNWARD =4

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 15A 250V 70°C 2+Ground =2

10A 15A 250V 70°C 2+Ground with additional Solder Terminal on Ground =3

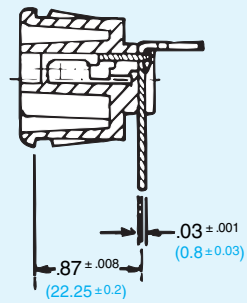
**PANEL THICKNESS (SNAP-INS ONLY)**

.06 (1.5mm) =150
.08 (2.0mm) =200
.10 (2.5mm) =250

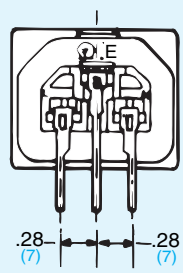
Additional panel thickness available on request.

PRINTED CIRCUIT TERMINAL RIGHT ANGLE

SIDE VIEW CROSS SECTION




REAR VIEW




General purpose female power cord connector with printed circuit terminals. Conforms with all international safety requirements.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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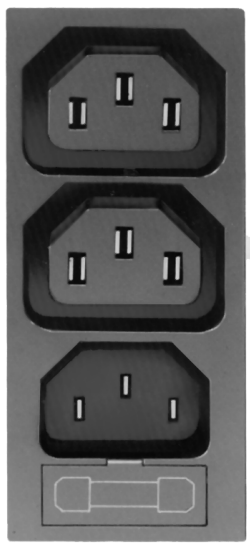
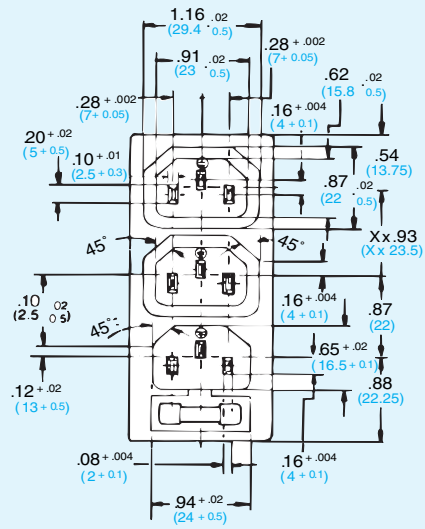
SNAP-IN
44R01



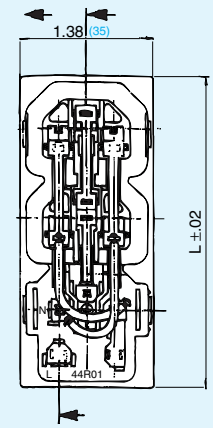
Multiple Male/Female with fuse holder. Fuse holder accepts 5X20mm fuse only.

PDI can custom terminate connections between inlet and outlets according to customer specifications.

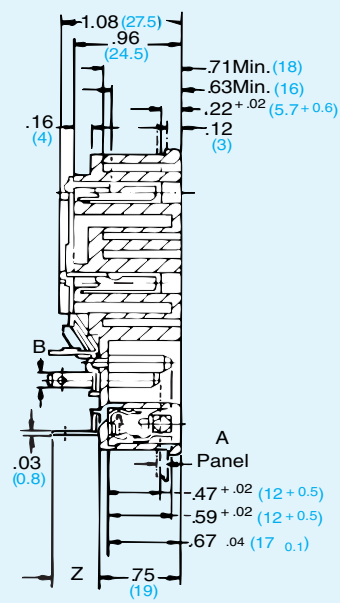
CROSS SECTION



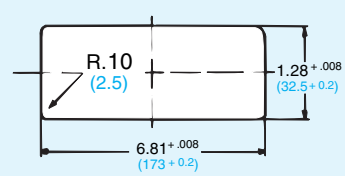

REAR VIEW
CROSS SECTION




SIDE VIEW
CROSS SECTION




| | L +.02 (+0.4) | E -.008 (-0.2) | F +.008 (+0.2) | X x.93 (23.5) |
|---|---|---|---|---|
| 1= | 2.28 (58) | 2.18 (55.3) | 2.19 (55.5) | -- |
| 2= | 3.21 (81.5) | 3.10 (78.8) | 3.11 (79) | 1x.93 (1x23.5) |
| 3= | 4.13 (105) | 4.03 (102.3) | 4.04 (102.5) | 2x.93 (2x23.5) |
| 4= | 5.06 (128.5) | 4.95 (125.8) | 4.96 (126) | 3x.93 (3x23.5) |
| 5= | 5.98 (152) | 5.88 (149.3) | 5.89 (149.5) | 4x.93 (4x235) |
| 6= | 6.91 (175.5) | 6.80 (172.8) | 6.81 (173) | 5x.93 (5x23.5) |




F
PANEL CUT-OUT

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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# EXAMPLE & ORDERING CODE

44R01- [2] [1] [3] [1] - [250]

MECHANICAL MOUNTING CONFIGURATION

=1

=2

=3

=4

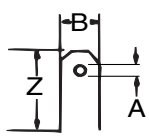
=5

=6

COLOR

BLACK =1

TERMINAL DIMENSIONS




| | B | Z | A | |
|---|---|---|---|---|
| QUICK CONNECT TERMINAL | .250 (6.3) | .39 (10.0) | .06ø (1.65) | =3 |
| SOLDER TERMINAL | .11 (2.8) | .37 (9.3) | .12 x .06 (3.0 x 1.6) | =5 |

.187 quick connect terminals available upon request

ELECTRICAL CIRCUIT CONFIGURATION

SUBMITTED

10A 250V 70°C 2+Ground =1

PANEL THICKNESS (SNAP-INS ONLY)

.06 (1.5mm) =150

.10 (2.5mm) =250

Additional panel thickness available on request.

Exceptionally versatile combination fuse connector. Combining our single male fused connector with our female connector, allowing for a selection of 1 male inlet with from 1 to 6 female outlets. Accepts European style fuse only, 5 x 20mm. Rated 15 Amp., 250 VAC. Simple snap-in mounting.

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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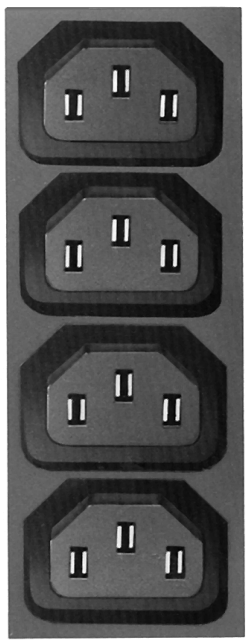
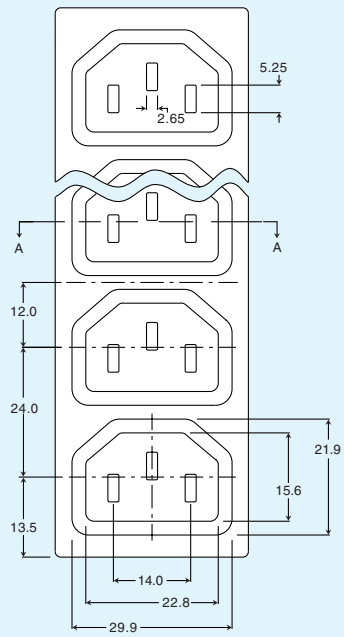
SNAP-IN
44R02

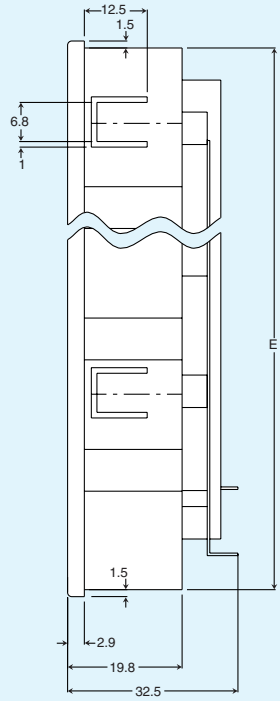


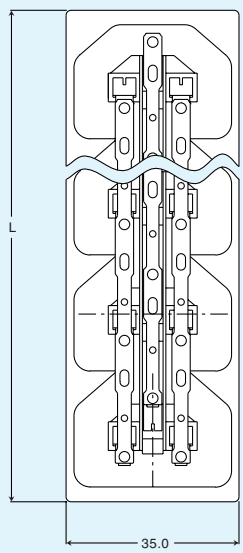
MULTIPLE FEMALE
OUTLET CONNECTOR

FACE DIMENSIONS

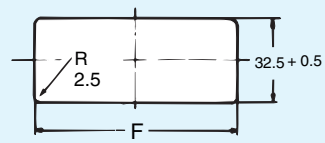


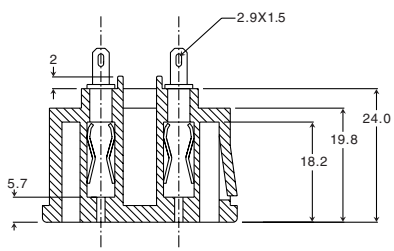

PANEL CUT-OUTS




| | L | E | F |
|---|---|---|---|
| 2= | 51.0 | 48.0 | 48.5 |
| 3= | 75.0 | 72.0 | 72.5 |
| 4= | 99.0 | 96.0 | 96.5 |
| 5= | 123.0 | 120.0 | 120.5 |
| 6= | 147.0 | 144.0 | 144.5 |
| 7= | 171.0 | 168.0 | 168.5 |




SECTION A-A

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating cords.**

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e-mail: sales@powerdynamics.com • www.powerdynamics.com

# EXAMPLE & ORDERING CODE

44R02- 4 1 1 1 - 250

MECHANICAL MOUNTING CONFIGURATION:

=2

=3

=4

=5

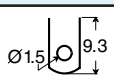
=6

=7

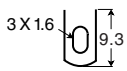
COLOR:

BLACK =1

TERMINAL DIMENSIONS:
(SOLDER TERMINAL)

 =1

STANDARD TERMINAL

 =2

ELECTRICAL CIRCUIT CONFIGURATION:

10A 15A 250V 70°C 2+Ground

=1

PANEL THICKNESS:

.06 (1.5mm) =150

.10 (2.5mm) =250

Additional panel thickness available on request.

Note:
PDI can custom terminate connections between outlets according to customer specifications.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min.@ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. Dimensions in mm.
**See pages 129-140 for mating power cords.**

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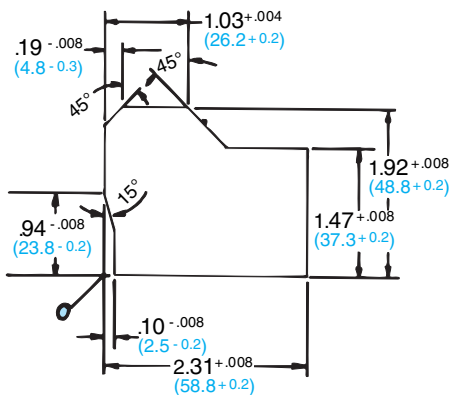
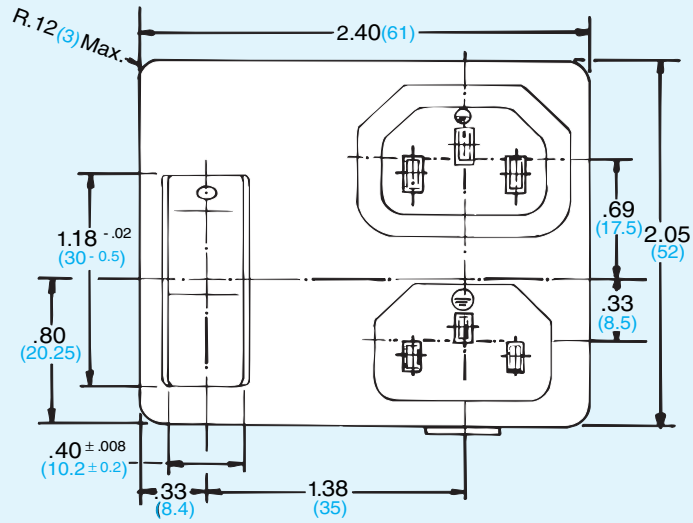
# COMBINATION SWITCH AND IEC CONNECTORS 44R03

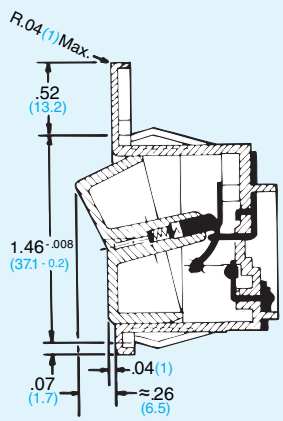
## PANEL CUT-OUT

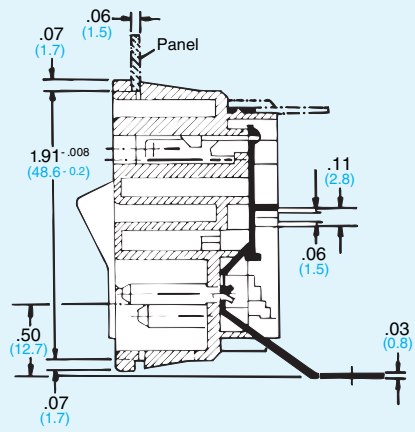


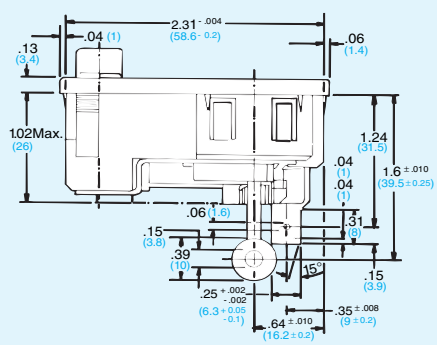

## FACE DIMENSIONS SNAP-IN




## SIDE VIEW CROSS SECTIONS




Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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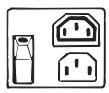
# EXAMPLE & ORDERING CODE

44R03 - 3 | 1 | 1 | 2 - 150

**MECHANICAL MOUNTING CONFIGURATION**

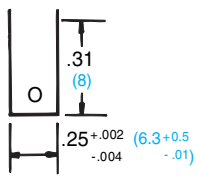


=3

**COLOR**
Other colors available on request.

BLACK =1

**TERMINAL DIMENSIONS**




=1

**ELECTRICAL CIRCUIT CONFIGURATION**

10A 15A 250V 70°C 2+Ground =2

**PANEL THICKNESS**

.06 (1.5mm) =150

Additional panel thickness available on request.

Integral combination male inlet IEC Connector/ female outlet connector & On/Off power switch. Designed to eliminate discrete purchase, inventory & assembly of individual components. Meets all international safety requirements. Unit allows for a cost effective method of providing auxiliary power to peripheral equipment. Switch is rated 15 Amp., 250 VAC, double pole; labeled with the international I/O On/Off markings.

# SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: Polycarbonate
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Nickel

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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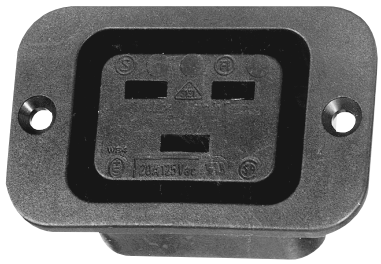
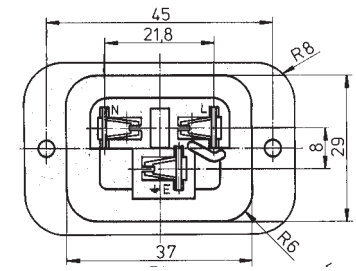
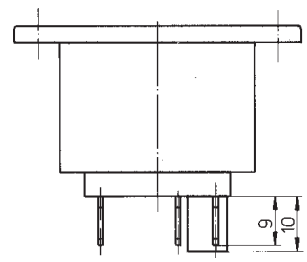
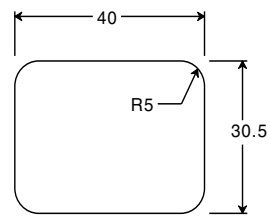
Power Dynamics, Inc.

43R07






PANEL CUT-OUT

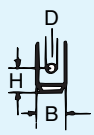
# EXAMPLE & ORDERING CODE

43R07 - [1] [1] [2] [1]

MECHANICAL MOUNTING CONFIGURATION:
SIDE FLANGE = 1

COLOR:
BLACK = 1

QUICK CONNECT TERMINAL:




| B | H | D | |
|---|---|---|---|
| .187 (4.8) | .16 (4) | .06 (1.65) | = 1 |
| .250 (6.3) | .16 (4) | .06 (1.65) | = 2 |
| .250 (6.3) | .16 (4) | .11 x .134 (2.8 x 3.4) | = 3 |

ELECTRICAL CIRCUIT CONFIGURATION:
16A 250V 65°C 2+Ground =1

## SPECIFICATIONS

**MATERIAL AND FINISH:**

**Housing:**
Material: P.B.T.
Rating: UL 94V-0

**Contacts:**
Material: Brass
Plating: Tin

**ELECTRICAL SPECIFICATIONS:**

**Insulation Resistance:** 100 Megaohm min. @ 500 VDC

**Dielectric Strength:** 2000 VAC for 1 minute

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)
**See pages 129-140 for mating power cords.**

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